ORDER NO.DSD0408025A3

DVD Video Recorder

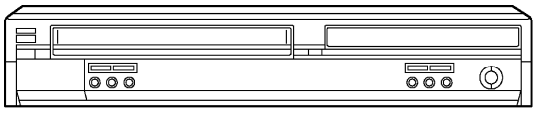


DMR-E75VGN

Colour

(S).....Silver Type

Please use this manual together with the service manual for Model DMR-E75VEG (DSD0404006C2).



Note 1. <DVD Drive>
VXY1813: Order No. RAM0402001C0
Note 2. <VHS Mechanisim>
R4-MECHANISM-CHASSIS-FOR-EURO-MODEL : Order No. MAD0403002C2

SPECIFICATIONS

Power Supply:	AC 220 V–240 V, 50 Hz
Power Consumption:	39 W (Approx. 4 W in power save mode)

Dimensions:	Approx. 430 mm (W) × 89 mm (H) × 352 mm (D)
Mass:	Approx. 5.9 kg
Operating Temperature:	5°C – 40°C
Operating Humidity:	35% – 80% RH (no condensation)

DVD

Recording format:	DVD-RAM: DVD Video Recording format DVD-R: DVD-Video format Video MPEG2 (Hybrid VBR) Audio: Dolby Digital 2CH
Recording disc:	DVD-RAM: 12 cm 4.7 GB, 12 cm 9.4 GB, 8 cm 2.8 GB DVD-R: 12 cm 4.7 GB, 8 cm 1.4 GB (for General Ver.2.0) 12 cm 4.7 GB (for General Ver.2.0/4×-SPEED DVD-R Revision 1.0)
Recording mode/ recording time (with 4.7 GB disc):	XP: approx. 10 Mbps/ approx. 60 min SP: approx. 5 Mbps/ approx. 120 min LP: approx. 3 Mbps/ approx. 240 min EP: approx. 1.7/1.2 Mbps/ approx. 360/480 min
Playable discs:	DVD-RAM: 12 cm 4.7 GB, 12 cm 9.4 GB, 8 cm 2.8 GB DVD-R: 12 cm 4.7 GB, 8 cm 1.4 GB (for General Ver.2.0) 12 cm 4.7 GB (for General Ver.2.0/4×-SPEED DVD-R Revision 1.0) DVD-Video, DVD-Audio, Video CD, CD-Audio (CD-DA), CD-R/RW (MP3, CD-DA, Video CD formatted discs)
Others	rasion code: 4

Video interface

TV System		625/50: PAL SECAM (only input), 525/60:NTSC	
		525/60: NTSC	
Input			
AV1	**SCART:**	CVBS: 1 Vp-p	Zin:75Ω
AV2	**SCART:**	CVBS:1 Vp-p Y:1Vp-p C:0.3Vp-p(PAL burst) RGB: 0.7 Vp (625/50)	Zin:75Ω Zin:75Ω
AV3	**RCA**	CVBS:1Vp-p	Zin:75Ω
	S-Video:	Y: 1 Vp-p, C: 0.3 Vp-p (PAL burst)	Zin:75Ω
Output			
AV1	**SCART:**	CVBS: 1 Vp-p RGB: 0.7 Vp-p (625/50)	Zout,ZL:75Ω Zout,ZL:75Ω
AV2	**SCART:**	CVBS : 1 Vp-p	Zout,ZL:75Ω
DVD/VHS	**RCA:**	CVBS: 1 Vp-p	Zout,ZL:75Ω
DVD	**RCA:**	CVBS: 1 Vp-p	Zout,ZL:75Ω
	S-Video:	Y: 1Vp-p,C:0.3 Vp-p (PAL burst)	Zout,ZL:75Ω
	RCA(YPBPR)	Y:1Vp-p PB:0.7Vp-p PR:0.7Vp-p (component output : 625i / 625p, 525i / 525p)	Zout,ZL:75Ω

Audio interface

Input

AV1 **SCART:** Standard: 0.5 Vrms, FS: 2 Vrms at 1 KHz Zin:more than 10kΩ
AV2 **SCART:** Standard: 0.5 Vrms, FS: 2 Vrms at 1 KHz Zin more than 10kΩ
AV3 **RCA:** Standard: 0.5 Vrms, FS: 2 Vrms at 1 KHz Zin more than 10kΩ

Output

AV1 **SCART:** Standard: 0.5 Vrms, FS: 2 Vrms at 1 KHz Zout:less than 1kΩ
AV2 **SCART:** Standard: 0.5 Vrms, FS: 2 Vrms at 1 KHz Zout:less than 1kΩ
DVD/VHS RCA: Standard: 0.5 Vrms, FS: 2 Vrms at 1 KHz Zout:less than 1kΩ
DVD **RCA:** Standard: 0.5 Vrms, FS: 2 Vrms at 1 KHz Zout:less than 1kΩ
Digital Audio:
Optical Output connector (PCM, Dolby Digital, DTS, MPEG) :1 pc

VHS

Recording format:	VHS Video Cassette System Standard with FM audio (PAL, MESECAM, NTSC)
Recording mode/ recording time (with E-240 cassette):	
PAL/MESECAM	SP: 23.39 mm/s 240 min LP: 11.7 mm/s 480 min EP: 7.8 mm/s 720 min
NTSC:	SP: 33.35 mm/s 168 min EP: 11.12 mm/s 505 min FF/REW: approx. 60 s, JET REW: approx. 43 s (with E-180 cassette)

Video interface

TV System		625/50: PAL SECAM (only input),525/60:NTSC	
		525/60: NTSC	
Input			
AV1	**SCART:**	CVBS: 1 Vp-p	Zin:75 Ω
AV2	**SCART:**	CVBS: 1Vp-p Y:1Vp-p C:0.3Vp-p(PAL burst)	Zin:75Ω
AV3	**RCA**	CVBS: 1 Vp-p	Zin:75Ω
	S-Video:	Y: 1 Vp-p, C: 0.3 Vp-p (PAL burst)	Zin:75Ω
Out put			
AV1	**SCART:**	CVBS: 1 Vp-p	Zout,ZL:75Ω
AV2	**SCART:**	CVBS: 1 Vp-p	Zout,ZL:75Ω
DVD/VHS	**RCA:**	CVBS: 1 Vp-p	Zout,ZL:75Ω

Audio interface

Input

AV1 **SCART:** -6 dBV Zin:more than 10kΩ
AV2 **SCART:** -6 dBV Zin:more than 10kΩ
AV3 **RCA:** -6 dBV Zin:more than 10kΩ

Output

AV1 **SCART:** -6 dBV Zout:less than 1kΩ
AV2 **SCART:** -6 dBV Zout:less than 1kΩ
DVD/VHS RCA: -6 dBV Zout:less than 1kΩ

Tuner:	Two built-in tuners (one for DVD and another for VCR)
Tuner system:	PAL–BGH
Channel coverage:	VHF: CH E2–E12 A–H2 (Italy) UHF: CH 21–69 CATV: S01–S05 (S1–S3), S1–S20 (M1–U10), S21–S41
RF converter:	Not provided

LASER Specification

Class 1 LASER Product (Pickup)

Wave Length:	795 nm, 658 nm
Laser Power:	No hazardous radiation is emitted with the safety protection

Note

Mass and dimensions shown are approximate.
Specifications are subject to change without notice.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

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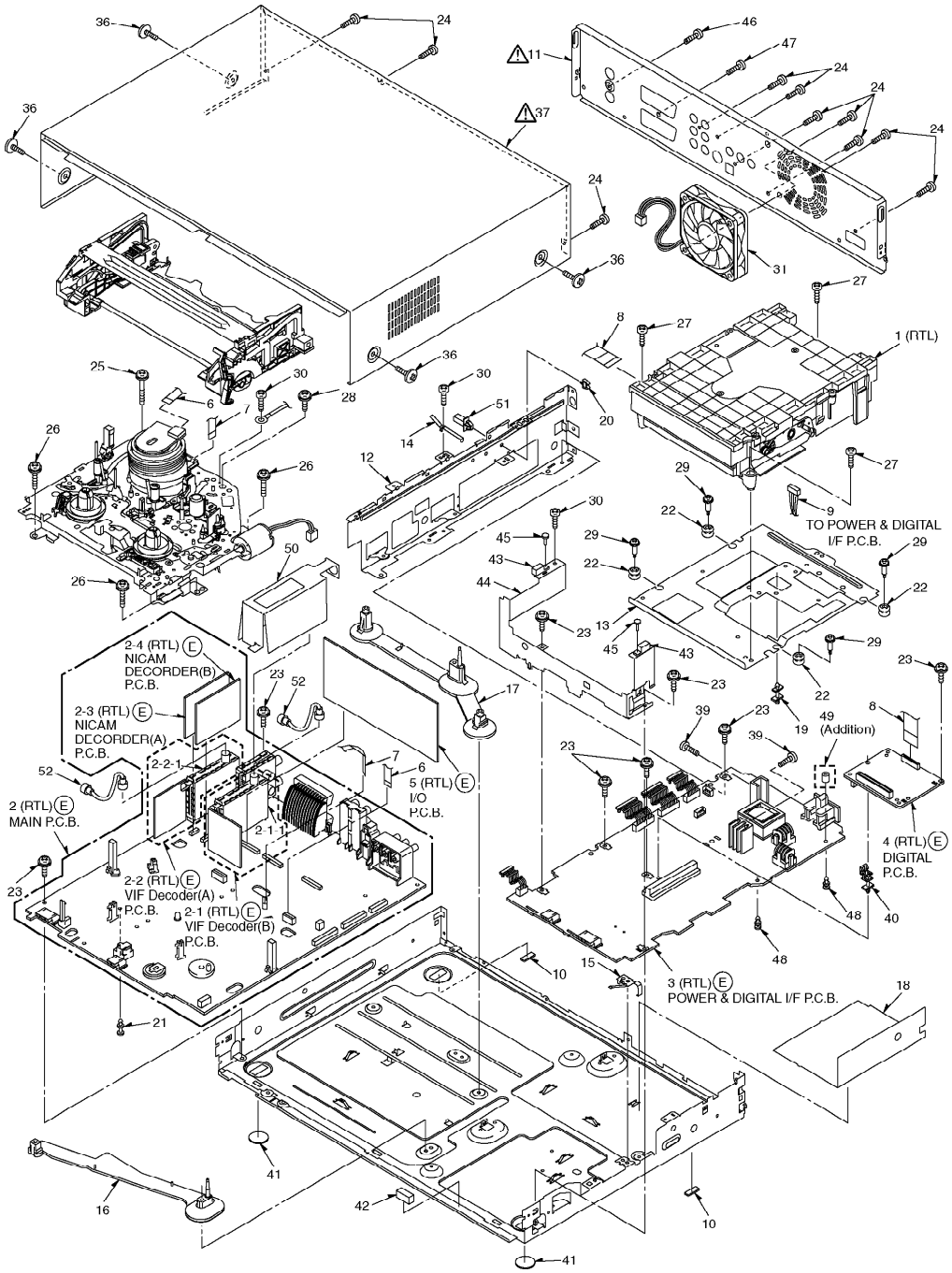
1. Replacement Parts List

Notes:
***Important safety notice:**
Components identified by ⚠ mark have special characteristics important for safety.
Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.
When replacing any of components, be sure to use only manufacture's specified parts shown in the parts list.
***Warning: This product uses a laser diode. Refer to caution statements.**
***Capacity values are in microfarads (μ F) unless specified otherwise, P=Pico-farads (pF), F= Farads (F).**
***Resistance values are in ohms, unless specified otherwise, 1K=1,000 (OHM), 1M=1,000k (OHM).**
***"<IA>", mark in Remarks indicates language of instruction manual. [<IA>: English.]**
***All parts are supplied by S.P.C..**
● Mentioned in the parts list in only those different from Model DMR-E75VEG-S

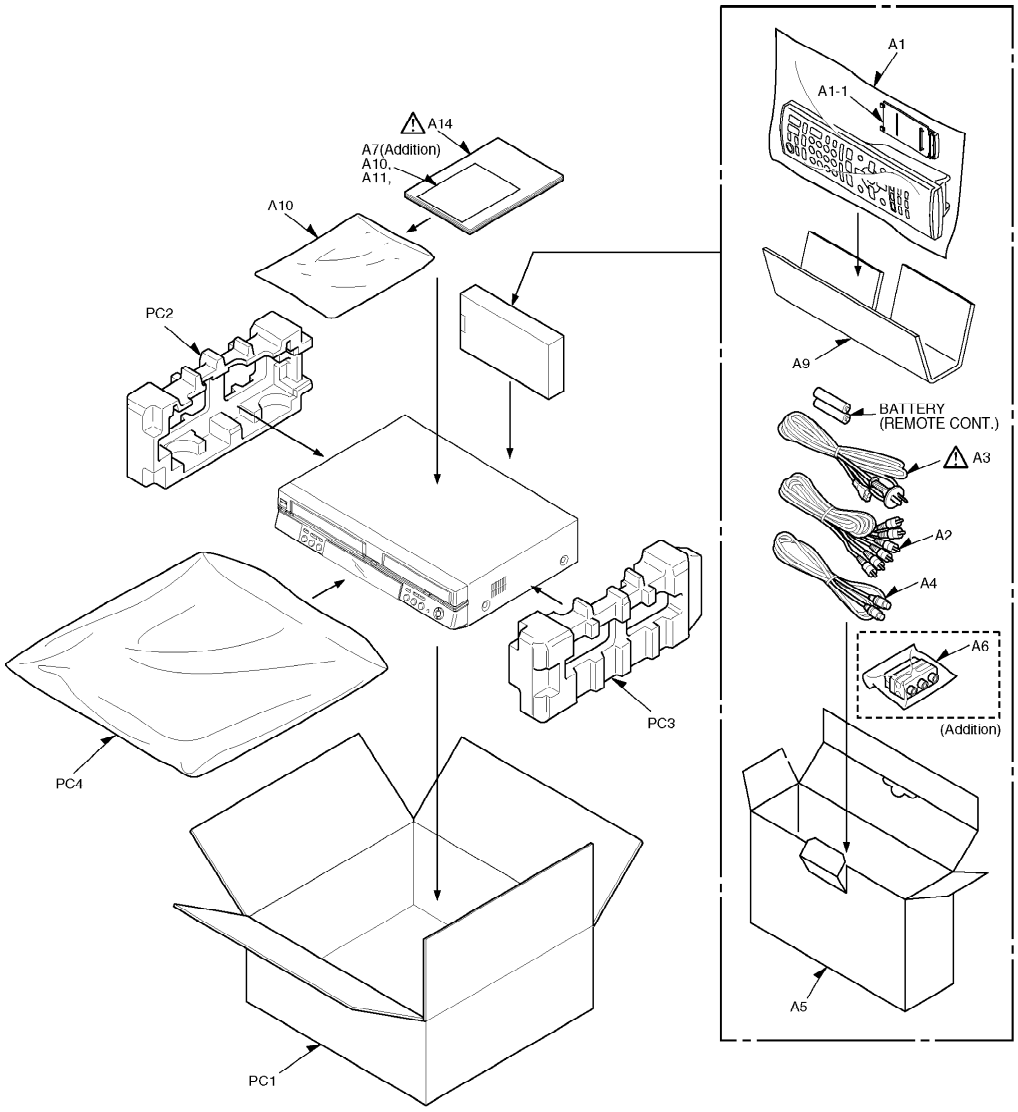
Ref. No.	Change of Parts No.		Part Name & Description	Pcs.	Remarks
	DMR-E75VEG	DMR-E75VGN			
11	VMP7971	VMP8206	REAR PANEL	1	
13	VMP7976	VMP8177	DVD ANGLE	1	
34	VYP8965	VYP9033	FRONT PANEL ASS'Y1	1	
A1	EUR7721X30	EUR7721X50	REMOTE CONTROL ASS'Y	1	
A3	VJA0664	K2CJ2DA00011	AC CORD	1	
A6	-----	K2RD093E0001	ADAPTOR PLUG	1	Addition
A7	-----	VQC4947	SETTING CAUTION SHEET	1	Addition
A10	RQCA1073	RQCA1004	DISC CAUTION SHEET	1	
A11	RQCC2041	RQCC2042	DVD MEDIA SHEET	1	
A12	VQT0H79	VQT0N07	OPERATING INSTRUCTIONS	1	⚠ <IA>
A12	VQT0H80	-----	OPERATING INSTRUCTIONS	1	Deletion
A12	VQT0H81	-----	OPERATING INSTRUCTIONS	1	Deletion
A12	VQT0H82	-----	OPERATING INSTRUCTIONS	1	Deletion
49	-----	VMX1636	SPACER(POWER)	1	Addition

2. Exploded Views

2.1. Casing Parts & Mechanism Section 1



2.2. Packing & Accessories Section


A1
A1-1
A14
A7(Addition)
A10,
A11,
A10
PC2
A9
BATTERY
(REMOTE CONT.)
A3
A2
A4
A6
(Addition)
PC3
PC4
A5
PC1

ORDER NO.DSD0404006C2

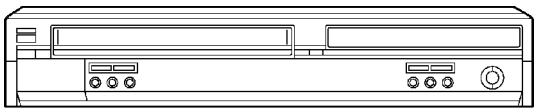
Service Manual

DVD Video Recorder

DMR-E75VEB / DMR-E75VEG

Colour

(S).....Silver Type



Note 1. <DVD Drive>
VXY1813: Order No. RAM0402001C0
Note 2. <VHS Mechanisim>
R4-MECHANISM-CHASSIS-FOR-EURO-MODEL : Order No. MAD0403002C2

SPECIFICATIONS

Specifications

Power Supply:	AC 220 V–240 V, 50 Hz
Power Consumption:	39 W (Approx. 4 W in power save mode)

Dimensions:	Approx. 430 mm (W) × 89 mm (H) × 352 mm (D)
Mass:	Approx. 5.9 kg
Operating Temperature:	5°C – 40°C
Operating Humidity:	35% – 80% RH (no condensation)

DVD

Recording format:	DVD-RAM: DVD Video Recording format DVD-R: DVD-Video format Video MPEG2 (Hybrid VBR) Audio: Dolby Digital 2CH
Recording disc:	DVD-RAM: 12 cm 4.7 GB, 12 cm 9.4 GD, 8 cm 2.8 GB DVD-R: 12 cm 4.7 GB, 8 cm 1.4 GB (for General Ver.2.0) 12 cm 4.7 GB (for General Ver.2.0/4×-SPEED DVD-R Revision 1.0)
Recording mode/ recording time (with 4.7 GB disc):	XP: approx. 10 Mbps/ approx. 60 min SP: approx. 5 Mbps/ approx. 120 min LP: approx. 3 Mbps/ approx. 240 min EP: approx. 1.7/1.2 Mbps/ approx. 360/480 min
Playable discs:	DVD-RAM: 12 cm 4.7 GB, 12 cm 9.4 GB, 8 cm 2.8 GB DVD-R: 12 cm 4.7 GB, 8 cm 1.4 GB (for General Ver.2.0) 12 cm 4.7 GB (for General Ver.2.0/4×-SPEED DVD-R Revision 1.0) DVD-Video, DVD-Audio, Video CD, CD-Audio (CD-DA), CD-R/RW (MP3, CD-DA, Video CD formatted discs)
Region code:	2

Video interface

TV System	625/50:	PAL SECAM (only input), (EG only)
	525/60:	NTSC
Input		
AV1	**SCART:**	Video: 1 Vp-p
AV2	**SCART:**	Video: 1 Vp-p RGB: 0.7 Vp-p (only 625/50) S-Video: Y: 1 Vp-p, C: 0.3 Vp-p (PAL burst)
AV3	**Pin jack:**	Video: 1 Vp-p
	S-Video:	Y: 1 Vp-p, C: 0.3 Vp-p (PAL burst)
Output		
AV1	**SCART:**	Video: 1 Vp-p RGB: 0.7 Vp-p (only 625/50)
AV2	**SCART:**	Video: 1 Vp-p
DVD/VHS COMMON		
	Pin jack:	Video: 1 Vp-p
DVD	**Pin jack:**	Video: 1 Vp-p
	S-Video:	Y: 1 Vp-p, C: 0.3 Vp-p (PAL burst)
	Component Video (Pin jack):	Y: 1 Vp-p, PB: 0.7 Vp-p, PR: 0.7 Vp-p

Audio interface

Input		
AV1	**SCART:**	Standard: 0.5 Vrms, Full scale: 2 Vrms at 1 kHz
AV2	**SCART:**	Standard: 0.5 Vrms, Full scale: 2 Vrms at 1 kHz
AV3	**Pin jack:**	Standard: 0.5 Vrms, Full scale: 2 Vrms at 1 kHz
Output		
AV1	**SCART:**	Standard: 0.5 Vrms, Full scale: 2 Vrms at 1 kHz
AV2	**SCART:**	Standard: 0.5 Vrms, Full scale: 2 Vrms at 1 kHz
DVD/VHS COMMON		
	Pin jack:	Standard: 0.5 Vrms, Full scale: 2 Vrms at 1 kHz
DVD	**Pin jack:**	Standard: 0.5 Vrms, Full scale: 2 Vrms at 1 kHz
	Digital Audio (Optical terminal):	PCM, Dolby Digital, DTS, MPEG

VHS

Recording format:	VHS Video Cassette System Standard with FM audio (PAL, MESECAM, (EG only) NTSC*) * NTSC recording from external source or DVD disc, not from TV tuner.
Recording mode/ recording time (with E-240 cassette):	
PAL/MESECAM (EG only):	SP: 23.39 mm/s 240 min LP: 11.7 mm/s 480 min EP: 7.8 mm/s 720 min
NTSC:	SP: 33.35 mm/s 168 min EP: 11.12 mm/s 505 min
Others:	FF/REW: approx. 60 s, JET REW: approx. 43 s (with E-180 cassette)

Video interface

TV System	625/50:	PAL SECAM (EG only)
	525/60:	NTSC
Input		
AV1	**SCART:**	Video: 1 Vp-p
AV2	**SCART:**	Video: 1 Vp-p S-Video: Y: 1 Vp-p, C: 0.3 Vp-p (PAL burst)
AV3	**Pin jack:**	Video: 1 Vp-p
	S-Video:	Y: 1 Vp-p, C: 0.3 Vp-p (PAL burst)
Output		
AV1	**SCART:**	Video: 1 Vp-p
AV2	**SCART:**	Video: 1 Vp-p
DVD/VHS COMMON		
	Pin jack:	Video: 1 Vp-p

Audio interface

Input		
AV1	**SCART:**	-6 dBV
AV2	**SCART:**	-6 dBV
AV3	**Pin jack:**	-6 dBV
Output		
AV1	**SCART:**	-6 dBV
AV2	**SCART:**	-6 dBV
DVD/VHS COMMON		
	Pin jack:	-6 dBV

(For EG)

Tuner:	Two built-in tuners (one for DVD and another for VCR)	
Tuner system:	PAL–BGH	
Channel coverage:	VHF:	CH E2–E12 A–H2 (Italy)
	UHF:	CH 21–69
	CATV:	S01–S05 (S1–S3), S1–S20 (M1–U10), S21–S41
RF converter:	Not provided	

(For EB)

Tuner:	Two built-in tuners (one for DVD and another for VCR)	
Tuner system:	PAL–I	
Channel coverage:	UHF:	CH 21–68
RF converter:	UHF:	CH 21–68

LASER Specification

Class 1 LASER Product (Pickup)		**(NORSK)**	
Wave Length:	795 nm, 658 nm	**Bølgelengde:**	795 nm, 658 nm
Laser Power:	No hazardous radiation is emitted with the safety protection	**Laserstyrke**	Ingen farlig stråling sendes ut

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic

1. Safety precautions

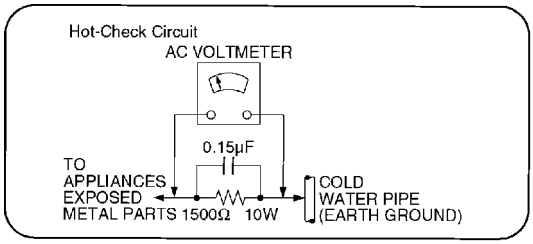
1.1. General guidelines

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

1.1.1. Leakage current cold check

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to thechassis, the reading should be between 1M Ω and 5.2M Ω . / When the exposed metal does not have a return path to the chassis, the reading must be ∞.

Figure 1



1.1.2. Leakage current hot check / (See Figure 1 .)

1. **Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.**
2. **Connect a 1.5k Ω , 10 watts resistor, in parallel with a 0.15 μ F capacitors, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1 .**
3. **Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.**
4. **Check each exposed metallic part, and measure the voltage at each point.**
5. **Reverse the AC plug in the AC outlet and repeat each of the above measurements.**
6. **The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliampere. In case a measurement isoutside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.**

2. Prevention of Electrostatic Discharge (ESD) to Electrostatic Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatic Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistor-sandsemiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electrostatic discharge (ESD).

1. **Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and**

wear a commercially available discharging ESD wrist strap, whichshould be removed for potential shock reasons prior to applying power to the unit under test.

2. **After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.**
3. **Use only a grounded-tip soldering iron to solder or unsolder ES devices.**
4. **Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static (ESD protected)" can generate electrical charge sufficient to damage ES devices.**
5. **Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.**
6. **Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparableconductive material).**
7. **Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.**

   Caution

   Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. **Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise hamless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficientto damage an ES device).**

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are imporant for safety.
These parts are marked by ⚠ in the schematic diagrams, Exploded Views and replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.

3. Precaution of Laser Diode

CAUTION:

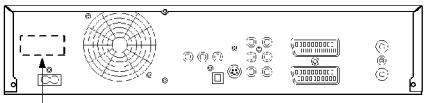
This product utilizes a laser diode with the unit turned "on", invisible laser radiation is emitted from the pickup lens.
Wave length: 795 nm/658 nm
Maximum output radiation power from pickup: 100 μ W/VDE
Laser radiation from the pickup lens is safety level,but be sure the followings:

1. Do not disassemble the optical pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.

ACHTUNG:

Dieses Produkt enthält eine Laserdiode.
Im eingeschalteten Zustand wird unsichtbare Leserstrahlung von der Laserinheit adgestrahit.
Wellenlänge: 795 nm/658 nm
Maximale Strahlungsleistung der Lasereinheit: 100 μ W/VDE
Die Strahlungan der Lasereinheit ungefährlich, wenn folgende Punkte beachtet werden:

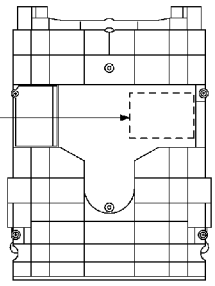
1. Die Lasereinheit nicht zerlegen, da die Strahlung an der freigelegten Laserdiode gefährlich ist.
2. Den werkseitig justierten Einstellregler der Lasereinhit nicht verstellen.
3. Nicht mit optischen Instrumenten in die Fokussierlines blicken.
4. Nicht über längere Zeit in die Fokussierlines blicken.



LUOKAN 1 LASERLAITE
KLASS 1 LASER APPARAT

CLASS 1
LASER PRODUCT





CAUTION!
THIS PRODUCT UTILIZES A LASER.
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

4. Handling the Lead-free Solder

4.1. About lead free solder (PbF)

Distinction of PbF P.C.B.:
P.C.B.s (manufactured) using lead free solder will have a PbF stamp on the P.C.B.

Caution:

- Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a high temperature soldering iron. In case of the soldering iron with temperature control,please set it to 700 ± 20°F (370 ± 10°C).
- Pb free solder will tend to splash when heated too high (about 1100°F/600°C).
- When soldering or unsoldering, please completely remove all of the solder on the pins or solder area, and be sure to heat the soldering points with the Pb free solder until it melts enough.

5. Each Buttons

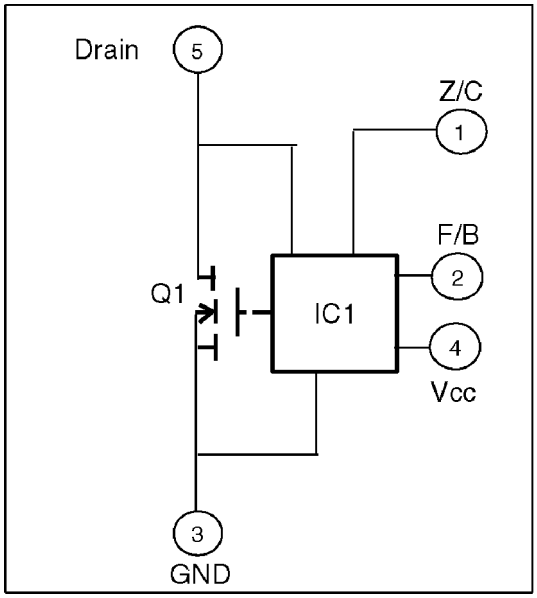
6. New Features

6.1. Function of Power Circuit (IC11150)

1. General

We adopted IC module as the Switching Power Circuit for lower power consumption.
IC11150 is constructed with Switching materials and Control IC, and is partial resonance module.
We realized Switching Power with high efficiency, low noise and low power consumption.

2. Equivalence Circuit to IC11150



Pin No.	Symbol	Description
1	Z/C	Trigger input terminal. Zero detection voltage: 0.25V It becomes less than 3V, the mode turns to standby.
2	F/B	Bias current feedback input terminal. ● Switching ON time (min.) ~ (max.) 1.5V ~ 4.5V / 0 μ sec. ~ 25 μ sec. ● In standby mode Oscillation stops:less than 0.8V Oscillation starts: over 1.8V
3	GND	GND terminal
4	Vcc	Power terminal of IC. Oscillation starting voltage: Vcc = and over 14.5V Oscillation stop voltage: Vcc = and less than 9.6V Over voltage latching voltage: Vcc = 20V

Pin No.	Symbol	Description
5	Drain	Drain terminal for Main switching material.

3. Startup Circuit

When power is turned on, input voltage of the Switching Transformer is supplied to IC11150 as the startup power.

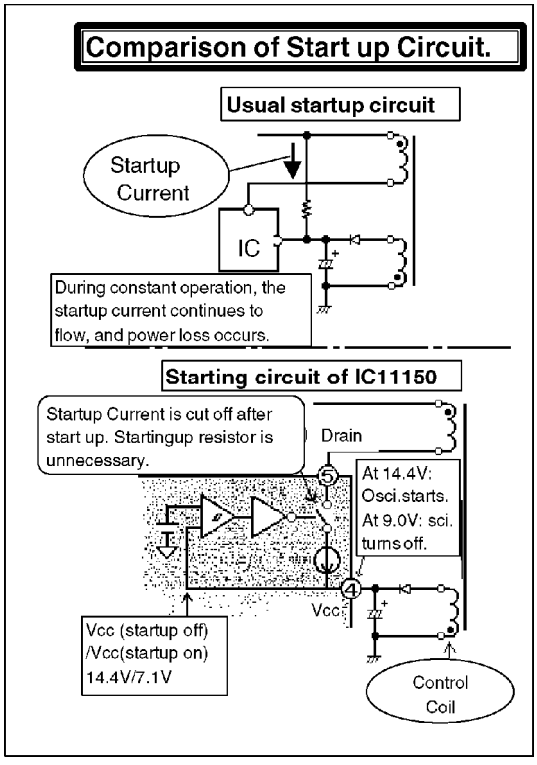
After IC11150 has started, the startup current is cut off.

The current of Startup Circuit is supplied as constant current source in IC11150 and as charge current for the capacitor connected between Vcc terminal and GND out side of IC11150 until Vcc reaches 14.4V.

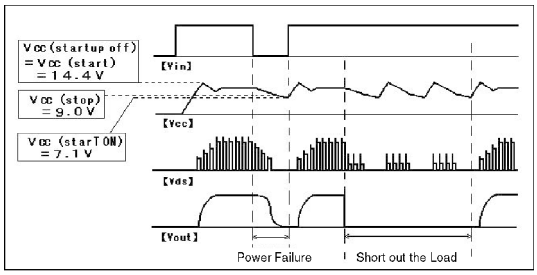
When Vcc reaches 14.4V, the Startup Circuit is cut off, then oscillation starts.

After then, power of IC11150 is supplied from control coil.

In case, the power failure or short out of the load, when Vcc becomes 9.0V; the oscillation stops, furthermore Vcc becomes 7.1V the Startup Circuit starts up and Vcc starts to rise.



Startup Circuit Timing Chart



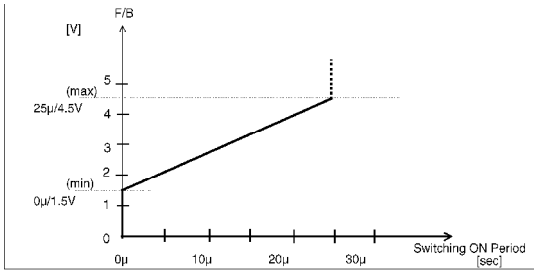
Function of Z/C Terminal

When voltage of Z/C reaches 0.25V, Gate signal is output and Drain current starts to flow.

Function of F/B terminal

F/B signal decides Switching ON width in low voltage controlling.

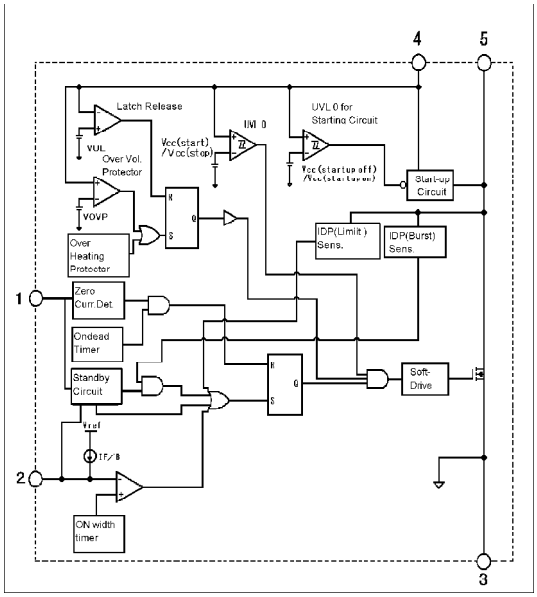
The Switching ON width responds to change of F/B Voltage.



Standby Function

When Z/C Voltage becomes less than 3V, the unit changes to Standby mode.

IC11150 Block Diagram



Signal name

Pin No.	Name	Symbol
1	Zero Current Det.	Z/C
2	Feed back	F/B
3	GND	GND
4	Vcc	Vcc
5	Drain	Drain

7. (DVD) Taking out the Disc from RAM-Drive Unit when the Disc cannot be ejected by OPEN/CLOSE button

7.1. (DVD) Forcible Disc Eject

7.1.1. (DVD) When the power can be turned off.

1. Turn off the power and press [(DVD) STOP], [(DVD) CH UP] keys on the front panel simultaneously for 5 seconds.

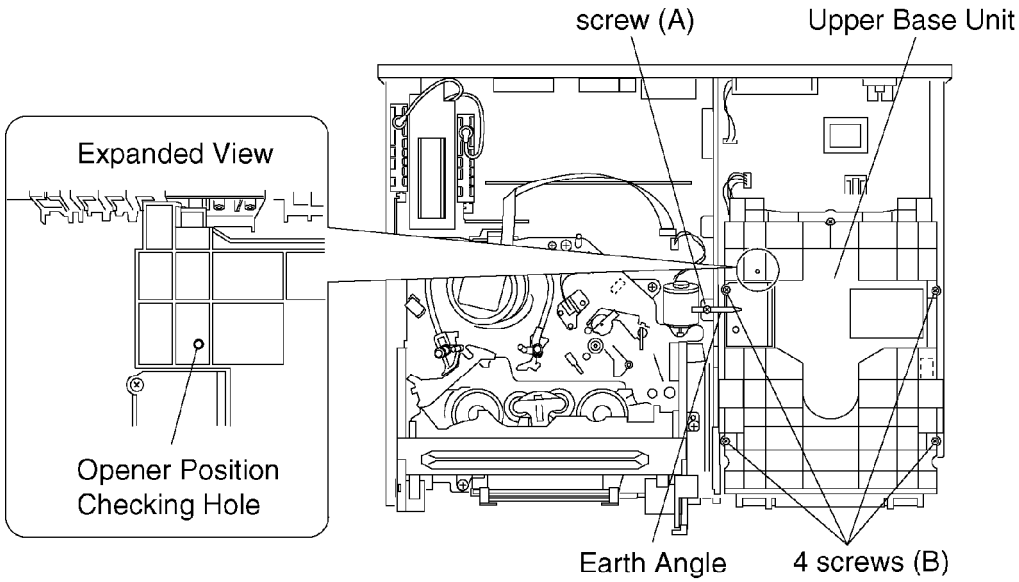
7.1.2. (DVD) When the power can not be turned off.

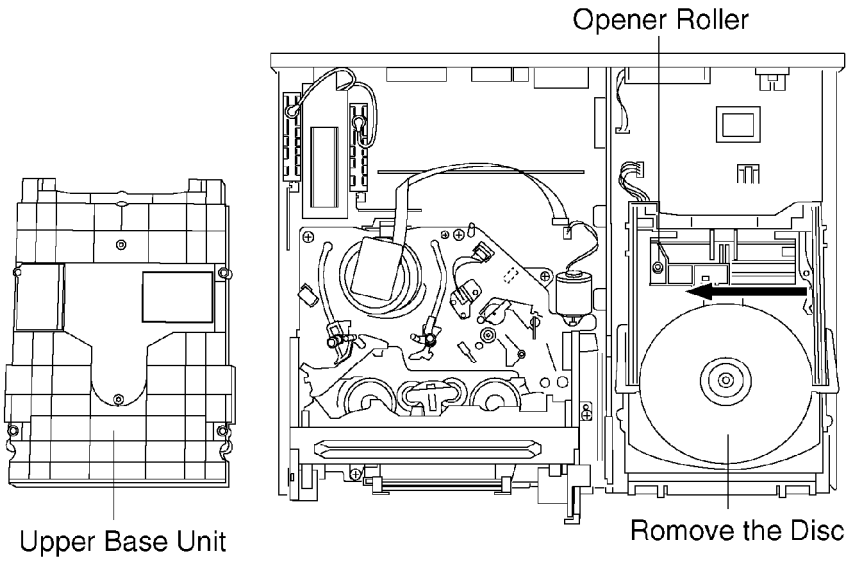
1. Press [POWER] key on the front panel for over 10 seconds to turn off the power forcibly, and press [(DVD) STOP] [(DVD) CH UP] keys on the front panel simultaneously for 5 seconds.

7.2. (DVD) When the Forcible Disc Eject can not be done.

1. Turn off the power and pull out AC cord.
2. Remove the Top Case.
3. Remove the Front Panel.
4. Remove screw (A) and Earth Angle.
5. Remove 4 screws (B) and Upper Base Unit from DVD-RAM Drive.
6. Take out the disc and put the Opener Roller on fully position for direction of Arrow.
7. Put the Upper Base Unit so that the Opener Roller is inserted into the groove.
8. Check center of Opener Roller is seen through the Opener

position Checking Hole, and tighten 4 screws (B).





8. (VHS) Removing Cassette Tape manually

When the cassette tape could not be uninstalled from an electrical malfunction, there are 2 ways to remove a cassette tape.

8.1. (VHS) Removal by compulsory unloading.

If Service Mode can be activated when the power can not be turned on, this operation is able.

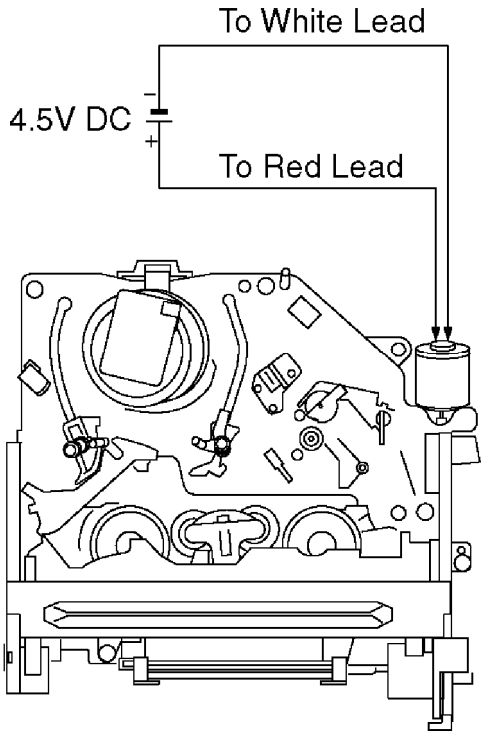
1. **Press [FF] and [EJECT] button simultaneously for more than 3 seconds and set the Service Mode to 7.**
2. **Press [STOP] button in order to unload the mechanism. (Pay attention to tape slack)**
   Service Mode Display:

7 ** ** (STOP) → 7 0L ** (EJECT)

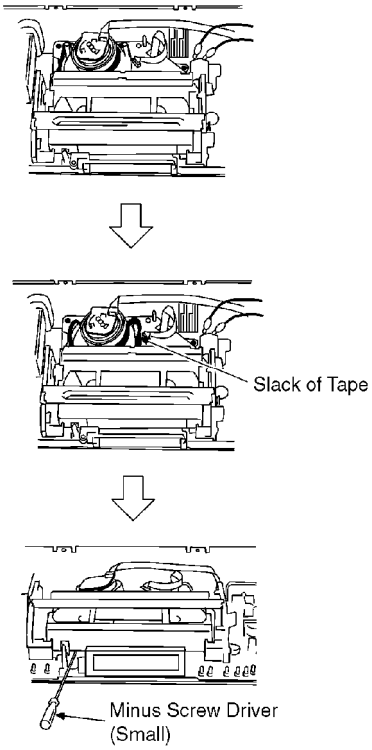
8.2. (VHS) Removal by manual operation by rotating the Loading Motor with the batteries.

1. **Disconnect the AC plug, and remove the Top Panel and the Front Panel by referring to the Disassembly Procedures.**
2. **Connect three batteries (1.5V spec.) to the Loading Motor in series for supplying 4.5V to rotate the Loading Motor as shown below.**

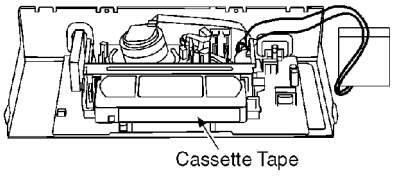
CONNECTION for UNLOADING



3. **Stop unloading just before unloading will be completed as shown below, and then the tape becomes slack as shown below.**
4. **Rotate the S-Reel by a small minus screwdriver to remove the slack tape as shown below.**



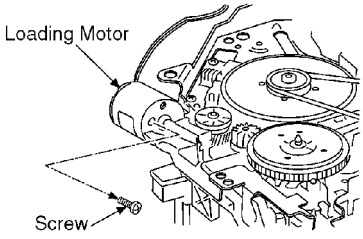
5. Then unload again to remove the cassette tape as shown below.



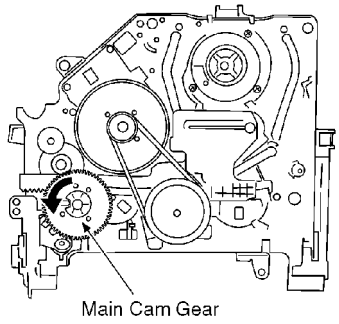
8.3. (VHS) Take out Cassette Tape manually after removing the mechanism

1. Disconnect the AC plug, and remove the Top Panel, Front Panel and the Mechanism by referring to "12 Assembling and Disassembling"

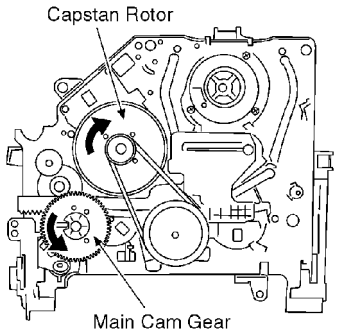
2. Remove the Screw and remove the Loading Motor as shown below.



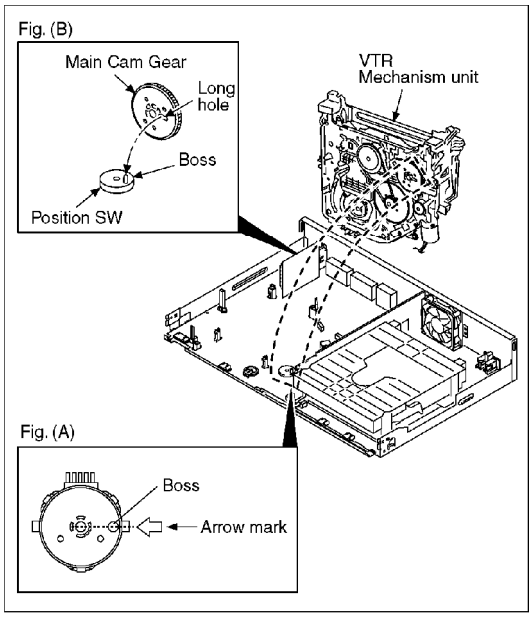
3. Rotate the Main Cam Gear counter-clockwise until just before the unloading will be completed as shown below. .



4. **Rotate the Capstan Motor clockwise to remove the slack tape as shown below.**
5. **Rotate the Main Cam Gear counter-clockwise again to remove the cassette-tape as shown below.**



6. **Attach Loading Motor and tighten the screw.**
7. **Set the Position Switch to EJECT POSITION certainly and attach the mechanism to chassis as shown below.**



9. (DVD) Service Explorer

Confirm "RAM-Drive Last Error" in Service Mode

Execute Service Mode

1. When the power is off, press [VHS to DVD DUBBING], [OPEN/ CLOSE] and [DVD STOP keys simultaneously for 5 seconds. FL Display:

SERV

***After finishing display "(7). Factor of Drive Error occurring", press [0] [2] ~[9] [9] keys of the Remote Controller so that 99 memories can be displayed as maximum.**

2. Press [4] [2] keys of remote controller.

Example of FL Display:

(1) Error Number is displayed for 5 seconds.

NO 01

(2) Time when the error has occurred is displayed for 5 seconds.

402161915

The error has occurred at 2004(year)/Feb.(month)/16(day)/19(hour):15(minute):26(second)

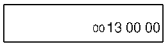
(3) Last Drive Error (1/2) is displayed for 5 seconds.

031000

Error Senae Key
- 00: Bad disc
- 03: Bad disc
- 04: Bad disc or RAM-Drive malfunction

When above error codes are displayed, confirm operation with Panasonic RAM disc or Panasonic DVD-R disc.
*If the operation is OK, judge the error is due to media.
*If the operation is NG and symptom as BLOCK NOISES and so on that are particular symptom of Digital appears, judge the error is due to RAM-Drive or Digital PCB.

(4) Last Drive Error (2/2) is displayed for 5 seconds.

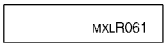


*This error code is unnecessary for service.

(5) Error occurring Disc type is displayed for 5 seconds.



(6) Disc Maker's ID is displayed for 5 seconds.



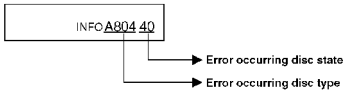
Example of Disc Maker's ID:
DVD-R Disc

No.	FL Display (Disc Maker's ID)	Disc Maker	Country
1	MEI	Panasonic	Japan
2	PVC	Pioneer	Japan
3	MCC	Mitsubishi Chemical Corporation	Japan
4	TDK	TDK	Japan
5	MXL	Maxell	Japan
6	MCI	MITUI CHEMICALS	Japan
7	JVC	Victor JVC	Japan
8	TAIYOYUDEN	Taiyo yuden	Japan
	TYG		
9	GSC	Giga Storage	Taiwan
10	PRODISC	Prodisc	Taiwan
11	PRINCO	PRINCO	Taiwan
12	RITEK	RITEK	Taiwan
13	OPTDISC	OPTDISC	Taiwan
14	LEAD DATA	LEAD DATA	Taiwan
15	CMC	CMC	Taiwan
16	AUVISTAR	AUVISTAR	Taiwan
17	ACER	Acer	Taiwan
18	VIVASTAR	VIVASTAR	Switzerland
19	LGE	LG Electronics	Korea

DVD-RAM Disc

No.	FL Display (Disc Maker's ID)	Disc Maker	Country
1	MEI	Panasonic	
2	MATSUSHITA	Panasonic	Japan
3	MXL	Maxell	Japan
4	PRODISC	Prodisc	Taiwan
5	OPTDISC	OPTDISC	Taiwan
6	CMC	CMC	Taiwan

***Since an display is arbitrarily set up by the disk producer side, the above-mentioned display may be changed.**
Please make it reference as an example of a display.
(7) Factor of Drive Error occurring is left displayed



Error Occurring Disc Type

FL Display	Disc Type
00	DVD-ROM/Video
01	Audio-CD
02	2.6GB DVD-RAM
03	4.7GB DVD-RAM
04	DVD-R

Error Occurring Disc State

FL Displays (Hexadecimal)	Description			
	Disc distinction state	Cartridge disc state	Cartridge disc state	Disc size
00	OK	With cartridge	Has not been opened yet.	12 cm
10	OK	With cartridge	Has not been opened yet.	8 cm
20	OK	With cartridge	Has been opened.	12 cm
30	OK	With cartridge	Has been opened.	8 cm
40	OK	Bare	Has not been opened yet.	12 cm
50	OK	Bare	Has not been opened yet.	8 cm
60	OK	Bare	Has been opened.	12 cm
70	OK	Bare	Has been opened.	8 cm
80	NG	With cartridge	Has not been opened yet.	12 cm
90	NG	With cartridge	Has not been opened yet.	8 cm
A0	NG	With cartridge	Has been opened.	12 cm
B0	NG	With cartridge	Has been opened.	8 cm
C0	NG	Bare	Has not been opened yet.	12 cm
D0	NG	Bare	Has not been opened yet.	8 cm
E0	NG	Bare	Has been opened.	12 cm
F0	NG	Bare	Has been opened.	8 cm

10. (DVD) Self-Diagnosis and Special Mode Setting

10.1. (DVD) Self-Diagnosis Functions

Self-Diagnosis Function provides information for errors to service personnel by “Self-Diagnosis Display” when any error has occurred.
U59, H and F** are stored in memory and held.**

Display on FL will be cancelled when the power is turned off or AC input is turned off during self-diagnosis display is ON.

Error Code	Diagnosis contents	Description	Monitor Display	FL disp
U12	Remote control code error	Display appears when main unit and remote controller codes are not matched.	No display	*CHK "*" is remote c code of the ma Display for 5 se
U59	Abnormal inner temperature detected	Display appears when the drive temperature exceeds 70°C. The power is turned off forcibly. For 30 minutes after this, all key entries are disabled. (Fan motor operates at the highest speedfor the first 5 minutes. For the remaining 25 minutes, fan motor is also stopped.) The event is saved in memory as well.	No display	U "U59" is displa minutes.
U99	Hang-up	Displayed when communication error has occurred between Main microprocessor and Timer microprocessor.	No display	U Displayed is le [POWER] key i
H19	Inoperative fan motor	Display appears when inoperative fan motor is detected after powered on. The power is turned off when detecting.	No display	H Displayed is le
F00	No error information	Initial setting for error code in memory (Error code Initialization is possible with error code initialization and main unit initialization.)	No display	F Displayed is le
F58	Drive hardware error	Display appears when drive unit error is detected. The event is saved in memory.	No display	F Displayed is le

Error Code	Diagnosis contents	Description	Monitor Display	FL disp
F34	Initialization error when main microprocessor is started up for program recording	Display appears when initialization error is detected after starting up main microprocessor for program recording. The event is saved in memory. The power is turned off when detecting.	No display	F Displayed is lef
UNSUPPORT	Unsupported disc error	*An unsupported format disc was played, although the drive starts normally. *The data format is not supported, although the media type is supported. *Exceptionally incase of the disc is dirty.	“This disc is incompatible.”	UN Display for 5 se
NO READ	Disc read error	*A disc is flawed or dirty. *A poor quality failed to start. *The track information could not be read.	“Cannot read. Please check the disc.”	I
HARD ERR	Drive error	The drive detected a hard error.	“DVD drive error.”	Display for 5 se
SELF CHECK	Restoration operation	Since the power cord fell out during a power failure or operation, it is under restoration operation. *It will OK, if a display disappears automatically. If a display does not disappear, thereis the possibility that defective Digital P.C.B. / RAM drive.	No display	SI
Full Program	16 programs are already set.	16 programs are already set.	No display	PROG

10.2. (DVD) Special Modes Setting

Item		FL display	Key opera
Mode name	Description		Front K
TEST Mode	*All the main unit's parameters (include tuner) are initialized.	A1 TEST	Press [VHS to D DUBBING], [DVD DUBBING] and [CLOSE] keys simultaneously seconds when p off.
Service Mode	Setting every kind of modes for servicing. *Details are described in “10.3. (DVD) Service Mode ”.	SERV	When the power press [VHS to D DUBBING], [(DV and [OPEN/CLO simultaneously seconds.
Rating password	The audiovisual level setting password is initialized to “Level 8”.	INIT	While the tray is press [SKIP (RE [SKIP (FWD)] simultaneously seconds.
Forced disc eject	Removing a disc that cannot be ejected. The tray will open and unit will shift to P-off mode. *When Timer REC is ON or EXT-LINK is ON, execute "Forced disc eject" after releasing TimerREC or EXT-LINK. *This command is not effective during “Child lock” is ON.	The display before execution leaves. *********	When the power press [(DVD) ST [(DVD) CH UP] k simultaneously seconds.
Child lock/unlock	Set or release "Child Lock".	X HOLD	Press [ENTER] a [RETURN] by re controller simult until [X-HOLD] is displayed.
NTSC/PAL system select	To switch PAL/ NTSC alternately.	The display before execution leaves. *********	When the power mode), press [D and [OPEN/CLO simultaneously seconds.

Item		FL display	Key opera
Mode name	Description		Front K
Forced power-off	When the power button is not effective while power is ON, turn off the power forcibly.*When Timer REC is ON, execute “Forced Power-off” after releasing Timer REC or EXT-LINK. Action: Thetray will open, and the power will turn off.	Display in P-off mode.	Press [Power] k than 10 seconds
Aging	Perform sequence of modes as * Aging Description shown below continually.	Display following the then mode.	When the power press [(DVD) CH [VHS to DVD DU and [OPEN / CL simultaneously five seconds an than 10 seconds *The [REC MOD be set to EPor L *When the unit h up because of p keys for over 10 once turn off the and re-execute t command. “When releasing mode, press [PC

Item		FL display	Key opera
Mode name	Description		Front K
Demonstration lock/unlock	Ejection of the disc is prohibited. The lock setting is effective until unlocking the tray and not released by “Main unit initialization” of service mode.	*When lock the tray. LOCK “LOCK” is displayed for 3 seconds.	When the power press [(DVD) ST [POWER] keys simultaneously seconds.
		*When unlock the tray. UNLOCK “UNLOCK” is displayed for 3 seconds.	When the power press [(DVD) ST [POWER] keys simultaneously seconds.
		*When pressing OPEN/ CLOSE key while the tray is locked. LOCK Display “LOCK” for 3 seconds.	Press [OPEN/CL while the tray is
ATP re-execution	Re-execute ATP.	Display at ATP executing *********	When the power mode), press [(D UP] and [(DVD) DOWN] simultar for five seconds
Progressive initialization	The progressive setting is initialized to Interlace.	The display before execution leaves. *********	When the power mode), press [(D STOP] and [VHS DUBBING] simu for five seconds

Aging Contents (Example):

Format→REC→Play→STOP→Play→Skip(R)→Cue
↑ ↓
Stop←Play←R-Slow←Slow←Pause←Play←Rev
*The unit repeats above sequence.

10.3. (DVD) Service Modes

Service mode setting: While the power is off, press [VHS to DVD DUBBING], [OPEN/CLOSE] and [(DVD) STOP] keys simultaneously for five seconds.

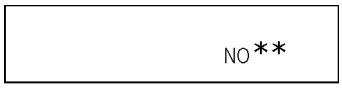
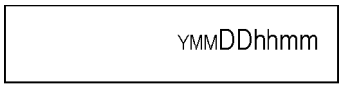
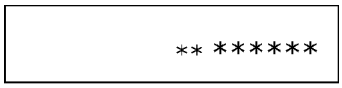
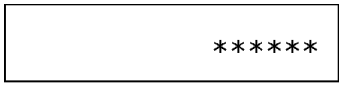
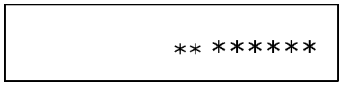
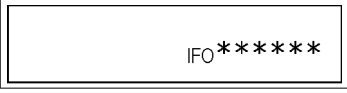
Item		FL display	Key opera
Mode name	Description		(Remote contr
Release Items	Item of Service Mode executing is cancelled.	SERV	Press [0] [0] or [service mode.
Error Code Display	Last Error Code of U59/H/F held by Timer is displayed on FL. *Details are described in “11.1. (DVD) Self-Diagnosis Functions”.	♣□□ *♣ shows U/H/F. □□ shows number.	Press [0] [1] in s mode

Item		FL display	Key opera
Mode name	Description		(Remote contr
ROM Version Display	(01)Region code, (02)MAIN firm version, (03)TIMER firm version, (04)DRIVE firmware version, (05)ROM collection version, (06)VHS microprocessor version are displayed on FL for fiveseconds per each version in order, but (07)VHS ROM collection version will be left displayed.	(01)Region code 01 No* (02)MAIN firm version 02 ****** (03)TIMERfirm version 03 ****** (04)DRIVE firmware version 04 ***** (05)ROM collection version +ROM Type 05 *** (06)VHS microprocessor version 06 **** (07)VHS ROM collection version 07 ** * are version displays. Descriptions for Version Display of Main Microprocessor are shown below.	Press [0] [2] in s mode

<table>
<tr><th colspan="2">Item</th><th>FL display</th><th>Key opera</th></tr>
<tr><th>Mode name</th><th>Description</th><th></th><th>(Remote contr</th></tr>
<tr><td>Version Display of <u>Main Microprocessor</u></td><td colspan="3">Example of FL Display
0100SK
Version
OEM Code
0: Matsushita Electric
1: Hitachi
2: Samsung
3: DENON
Destination Code and Model Code
For Japan
SK: DMR-E55
SL: DMR-E85H
SR: DMR-E95H
SS: DMR-E300H
SU: DMR-E500H
SQ: DMR-E75V
SV: DMR-E150V
For North America/Can
/Latin America
DK: DMR-E55P/PC/PL/F
DP: DMR-E65P
DL: DMR-E85HP/HPC
DR: DMR-E95HP
DU: DMR-E500HP/HPC
DQ DMR-E75VP
For Europe/Asia/
EK: DMR-E55EG/EB/EBL/EP/EE/GCS/GN/GK/GC, DMR-E53E
EP: DMR-E65EG/EB/EP/EE/GCS/GN/GK/GC
EL: DMR-E85HEG/HEB/HEP/HEE/HGCS/HGN
ER: DMR-E95HEG/HEB
EU: DMR-E500HEG/HEB/HGCS/HGN/HGK
EQ: DMR-E75VEG/VEB</td></tr>
<tr><td>Version Display of <u>Timer Microprocessor</u></td><td colspan="3">Example of FL Display
0010 DA
Version: 0.01
Bottom 2 figures of Part Number of Timer Microprocessor: M30</td></tr>
<tr><td>White Picture Output</td><td>White picture is output as component Output from AV Decoder.
*White picture
(Saturation rate : 100%)
*It is enable to switch Interlace/ Progressive by “I/Pswitch: [1] [4]”</td><td>*Initial mode is “Interlace”.
WHITE
Switch Interlace/ Progressive
P WHTIE</td><td>Press [1] [1] in s mode.
Press [1] [4] in V Picture Output r *I/P are switched alternately.</td></tr>
<tr><td>Magenta Picture Output</td><td>Magenta picture is output with Component Output from AV Decoder.
*Magenta picture
(Saturation rate: 100%)
*It is enable to switch Interlace/ Progressive by “I/Pswitch: [1] [4]”</td><td>*Initial mode is “Interlace”.
MAGE
Switch Interlace/ Progressive
P MAGE</td><td>Press [1] [2] in s mode.
Press [1] [4] in M Picture Output r *I/P are switched alternately.</td></tr>
</table>

Item		FL display	Key opera
Mode name	Description		(Remote contr
RTSC Return in XP (A & V)	AV1 input signal is encoded (XP), decoded (XP) and output decoded signal to external without DISC recording and DISC playback.	Initial mode: EE2/ Interlace/ XP/ Audio 48kHz 48 EE2 XP	Press [1] [3] in s mode.
		Switch Interlace/ Progressive 48P EE2 XP	Press [1] [4] in F Return XP mode *I/P are switched alternately.
		Audio 44.1 kHz/ 48 kHz Switch 44 EE2 XP	Press [2] [4] in F Return XP mode *48 kHz / 44.1 kH switched alterna
I/P Switch	Switch Interlace and Progressive in EE mode. *Initial setting is "Interlace". *This command is effective during executing "White Picture Output", "MagentaPicture Output" and "RTSC Return in XP (A & V)" modes.	Initial mode is Interlace 14 SERV Switch Interlace/ Progressive 14P SERV	Press [1] [4] in I/ mode. *I/P are switched alternately.
Audio Mute (XTMUTE)	Check whether mute is applied normally by the timer microprocessor.	T-MUTE	Press [2] [1] in s mode.
Audio Mute (XDMUTE)	Check whether mute is applied normally by the Digital P.C.B. (GLUE IC).	D-MUTE	Press [2] [2] in s mode.
Audio Pattern Output	The audio pattern stored in the internal memory is output (Lch: 1kHz/-18dB) (Rch: 400Hz/-18dB) *Audio sound clock switching operation of DAC can beconfirmed by sub command [2] [4].	Initial mode (Audio 48kHz) 48 AUDIO	Press [2] [3] in s mode.
		Audio 44.1kHz/48kHz switching 44 AUDIO	Press [2] [4] in A Pattern Output r *48 kHz / 44.1 kH switched alterna
Laser Used Time Indiction	Check laser used time (hours) of drive.	ERR ***** ● (*****) is the used time display in hour. ● Laser used time ofDVD/ CD in Playback/Recording mode is counted.	Press [4] [1] in s mode.

Item		FL display	Key opera
Mode name	Description		(Remote contr
Delete the Laser Used Time	Laser used time stored in the memory of the unit is deleted.	CLRLASER	Press [9] [5] in s mode.

Item		FL display	Key opera
Mode name	Description		(Remote contr
RAM Drive Last Error	RAM Drive error code display. *For details about the drive error code, refer to the Service Manual for the specific RAM Drive. *Details are described in “9. (DVD)Service Explorer ”.	1. Error Number is displayed for 5 seconds.  2. Time when the error has occurred is displayed for 5 seconds.  Y: Year MM: Month DD: Day hh: Hour mm: Minute 3. Last Drive Error (1/2) is displayed for 5 seconds.  4. Last Drive Error (2/2) is displayed for 5 seconds.  5. Error occurring Disc type is displayed for 5 seconds.  6. Disc Maker ID is displayed for 5 seconds.  7. Factor of Drive Error occurring is left displayed 	Press [4] [2] in s mode. Then press [0] [the past 99 erro displayed. Incase that the s cannot be identi display is black

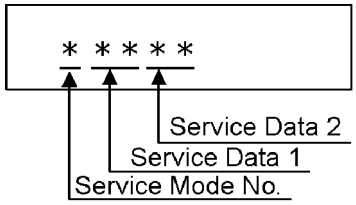
Item		FL display	Key opera
Mode name	Description		(Remote contr
Delete the Last Drive Error	Delete the Last Drive Error information stored on the DVD RAM-Drive.	CLRDRIVE	Press [9] [6] in s mode.
Turn on all FL/ LEDs	All segments of FL and all LEDs are turned on.	All segments are turned on.	Press [5] [1] in s mode.
PB HIGH Signal Output	8 pin of AV 1 Jack (PB HIGH terminal) is High (approx. 11V DC).	P 8HIGH	Press [5] [2] in s mode.
PB MIDDLE Signal Output	8 pin of AV 1 Jack (PB HIGH terminal) is Middle (approx. 5.5V DC).	P 8MIDDLE	Press [5] [3] in s mode.
Front connection inspection	Press all front keys and check the connection between Main P.C.B. and Front P.C.B.	0r ** 0r ** (1) (2) (1) (2) (1) Each time a key is pressed, segment turned on increases one by one. (2) Total umber of keys that have been pressed.	Press [5] [4] in s mode.
Production Date Display	Display the date when the unit was produced.	YYYYMMDD YYY: Year MM: Month DD: Day	Press [6] [1] in s mode.

Item		FL display	Key opera
Mode name	Description		(Remote contr
Display the Error History	Display the Error History stored on the unit.	Display reason of error for 5 seconds. *** Display the time when the error has occurred for 5 seconds.. DDHHMM DD: Day HH: Hour MM: Minute Display the accumlated working time to occurring of the error for 5 seconds.. ****** (Indicating unit: Second)	Press [6] [5] in s mode. Then press [0] [the past 19 erro are displayed.
Delete the Error History	Delete Error History information stored on the unit.	CLR FTREC	Press [9] [7] in s mode.
AV4 (V) / AV1 (RGB) I/O Setting	Set input to AV4(V) and set output to AV1(RGB) for I/O checking	01 PAL IO	Press [8] [0] in s mode.
AV2 (Y/C) / AV1 (V) I/O Setting	Set input to AV2(Y/C) and set output to AV1(V) for I/O checking	02 PAL IO	Press [8] [1] in s mode.
AV2 (V) / AV1 (Y/C) I/O Setting	Set input to AV2(V) and set output to AV1(Y/C) for I/O checking	03 PAL IO	Press [8] [2] in s mode.
AV2 (RGB) / AV1 (V) I/O Setting	Set input to AV2(RGB) and set output to AV1(V) for I/O checking	04 PAL IO	Press [8] [3] in s mode.

Item		FL display	Key opera
Mode name	Description		(Remote contr
P50 (H) Output	Timer Microprocessor IC7501-22 output High signal for AV1-pin 10 passing through inverter (approx. 0V DC at AV1-pin 10).	P50 HI When OK. P50 HI OK When NG. P50 HI NG	Press [8] [4] in s mode.
P50 (L) Output	Timer Microprocessor IC7501-22 output Low signal for AV1-pin 10 passing through inverter (approx. 4.4 V DC at AV1-pin 10).	P50LOW When OK. P50LOW OK When NG. P50LOW NG	Press [8] [5] in s mode.
Tray OPEN/ CLOSE Test	The RAM drive tray is opened and closed repeatedly.	********* "*" is number of open/ close cycle times.	Press [9] [1] in s mode *When releasing mode, press the button on Front more than 10 se
Error code initialization	Initialization of the last error code held by timer (Write in F00)	CLR E-CODE	Press [9] [8] in s mode.
Initialize Service	Last Drive Error, Error history and Error Codes stored on the unit are initialized to factory setting.	CLR SERV	Press [9] [9] in s mode.
Finishing service mode	Release Service Mode.	Display in STOP (E-E) mode. *** ******	Press power but front panel in se mode.

11. (VHS) Self-Diagnosis and Special Mode Setting

11.1. (VHS) Special Modes Setting

Item		FL display	Key operatio
Mode name	Description		Front Key
Tracking Center	Tape Tracking is adjusted to center FIX position.	No display.	During PLAYBACK, [VHS CH UP] and [V DOWN] keys simultaneously.
VHS Service Mode	In order to make service easy, a part of inside information of a microprocessor is displayed on FIP. *Details are described in "11.2. VHS Service Mode" .		Press [FF], and [EJE keys simultaneousl three seconds wher is off.
Releasing EXT LINK & Timer Program	Releasing Continuation EXT LINK & Continuation Timer Program	No display.	While in EXT LINK o REC mode, press [V STOP] key for 3 sec
Eject	Ejecting Cassette Tape	No display.	While in other than LINK and Timer REC press [VHS STOP] k seconds or press [S key of the Remote Controller for 3 sec VHS mode.

11.2. (VHS) Service Modes

1. When power is off, press [FF] and [EJECT] keys simultaneously for 3 seconds, to start up the Service Mode.
2. In service mode, press [FF] and [EJECT] buttons simultaneously to change the Service Mode Number to purposed number from 1 to 7.

Service Mode Number	Contents	Contents of Indication on minute	Contents of Indication on second	Remarks
0	Indication for the inner data of IC6001	VHS mode (Real time)	Process number of the mechanism movement (Real time)	
1	Indication for the inner data of IC6001	Tape beginning and ending detection data (Real time)	Key code (Real time)	
		00: Both tape beginning and ending have not been detected 01: Tape ending is detecting now 02: Tape beginning is detecting now 03: Both tape beginning and ending are detecting now	Indicate the receiving code when the key of VCR or remote controller being operated.	
2	Indication for the inner data of IC6001	Mechanism position (Real time)	Ordering for the Motors (Real time)	The following funct are prohibited to op the mechanism wit cassette tape. ● Tape beginning ending detection. ● Reel lock detect ● Tapedetection a position detection Press the EJET key over 3 seconds in t mode, and then the shifted into the spe modes, such as PG Adjustment, Model Setting, and so on. The orders for the r are asfollows.
		0L: EJECT position 02: DOWN position 03: RREW position 04: LOAD position 05: REV position 06: PLAY position 07: POFF position 08: STOP_R position 09: STOP_F position 0- : FF/REW position 0_ : Intermediate between each positions	0*, 2*: CYL off, CAP off 1*:CYL off, CAP on (fwd) 3*: CYL off, CAPon (rev) 8*, A*: CYL on, CAP off 9*: CYL on, CAPon (fwd) B*: CYL on, CAP on (rev) *0: Motor off *1:Loading *2: Unloading *3: Break (Load + Unload)	
3	Self-diagnosis history (1st)	1st history of error number	"- -" is displayed.	
4	Self-diagnosis history (2nd)	2nd history of error number	"- -" is displayed	
5	Self-diagnosis history (3rd)	3rd history of error number	"- -" is displayed	
6	Indication for the inner data of IC6001	Servo data (4 digits) (Real time)		

Service Mode Number	Contents	Contents of Indication on minute	Contents of Indication on second	Remarks
7	Manual mechanism operation	Mechanism position (Real time)	Ordering for the Motors	Press the following PLAY key : Loading STOP key : Unload
		0L: EJECT position 02: DOWN position 03: RREW position 04: LOAD position 05: REV position 06: PLAY position 07: POFF position 08: STOP_R position 09: STOP_F position 0- : FF/REW position 0 _: Intermediate between each positions	0*, 2*: CYL off, CAP off 1*:CYL off, CAP on (fwd) 3*: CYL off, CAPon (rev) 8*, A*: CYL on, CAP off 9*: CYL on, CAPon (fwd) B*: CYL on, CAP on (rev) *0: Motor off *1:Loading *2: Unloading *3: Break (Load + Unload)	

11.3. (VHS) Self-Diagnosis Functions

This model has a self-diagnosis. If the VHS section detects trouble during installation or during use, the power is automatically turned off or become power-save mode and it is memorized into the EEPROM as error code of two-digit number. It'smemorized error code can be displayed in "second" display portion (the last 2 digits of the FIP) by placing the unit is Service Mode Number 2 when turning on Service Information Display as for example "01" or "02" etc as below. If a second error occurs,the most recent error will be memorized and can be displayed in Service Mode Number 2. It can be memorized until 3 self-diagnosis histories in maximum.
In order to erase the memorized error code, press FF and EJECT buttons on the Front Panel simultaneously over 5 seconds during turning on Service Information Display mode.

11.3.1. MEMORY OF THE SELF-DIAGNOSIS HISTORY

***This is effective only in Service Mode 3, 4, 5.**

11.3.1.1. Error Numbers at a glance

Memory No. (Error Code)	Reason
01	The cylinder could not be started. (Error of the cylinder or the cylinder driv
02	The CAP FG could not be detected.
03	Mechanism lock during without the unloading and the cassette-up.
04	Mechanism lock during unloading
05	S-reel pulse cannot be detected during unloading. (Error of the S-reel circu Capstan circuit)
06	Mechanism lock during the Cassette-up.
15	S-reel pulse cannot be detected when a cassette tape is inserted. (Error of the S-reel circuit or the Capstan circuit)
16	Detection of the Cylinder lock during the constant rotation
17	Detection of S-reel lock during the constant tape running
18	Detection of T-reel lock during the constant tape running
2* Refer to following Note	An error while the PG Automatic Adjustment
80	An exceptional ejection depends on a accidental error

Note:
2* is as follows.

20	NG1 in the PG Shifter Automatic Adjustment (The cylinder rotation is unstable during the automatic adjustment.)
21	NG2 in the PG Shifter Automatic Adjustment (The vertical sync signal is lacked while over seconds on the alignment tape.)
22	NG3 in the PG Shifter Automatic Adjustment (The installing position of Heads to the cylind of specification.
23	NG4 in the PG Shifter Automatic Adjustment (The servo is not locked to the cylinder for m 10 sec.)

11.3.1.2. Memory for the self-diagnosis history

3. The self-diagnosis result is memorized the state of the moment of detecting.
4. There are the histories from number 1 to number 3.
5. The latest error is memorized on history number 1, and then the old histories are shifted to the history number 2 and 3.
The error code memorized in the history number 2 and 3 is over-written by shift.
4. If the latest error is the same with the history number 1 (2nd-latest), it is not memorized.
(The same error code is not memorized in succession)

11.3.1.3. Clear for the self-diagnosis history

1. Press FF and EJECT buttons on the VCR simultaneously over 5 seconds during turning on Service Information Display mode.

11.3.1.4. Indication of the self-diagnosis history.

The self-diagnosis histories can be indicated on the FIP with Service Mode number 3 to 5.
The procedure of service mode setting and indication format are the same as usual.

FIP INDICATION: 4 0 3 - -

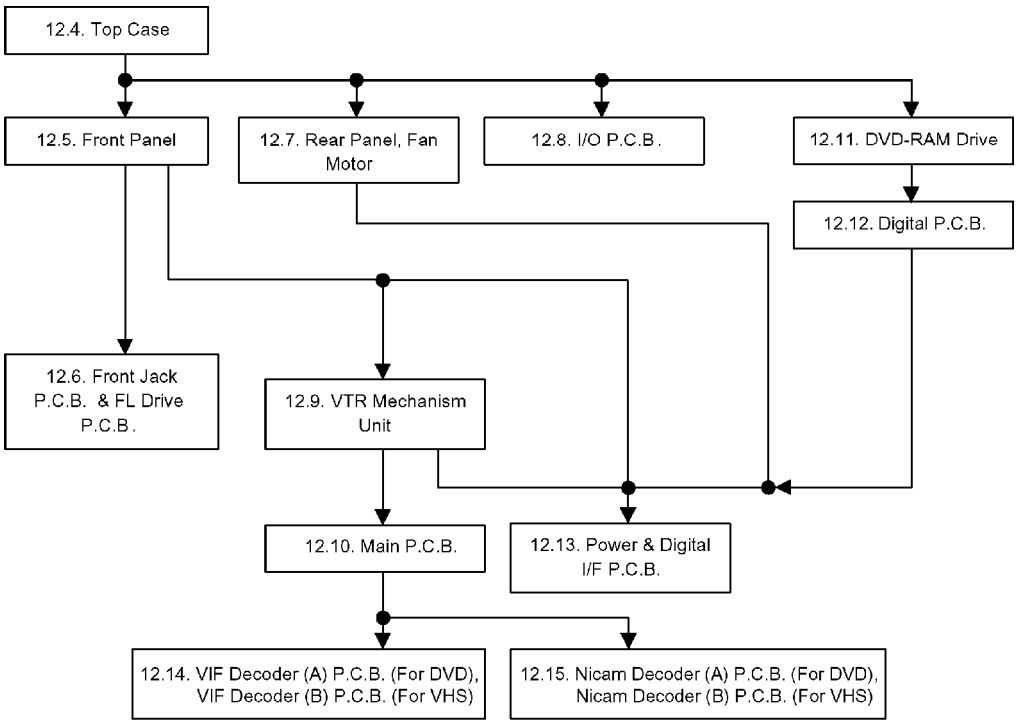
Hour of one-digit	Minute of two-digit	Minute of one-digit	Second of two-digit	Second of one-digit
Service mode number	Error code		-	-
3	Error code of history 1 (The latest)		-	-
4	Error code of history 2 (2nd latest)		-	-
5	Error code of history 3 (3rd latest)		-	-

The Error code of history 1, 2 and 3 can be indicated by selecting the Service mode 3, 4 and 5 as shown above.
In case of no error code in the memory, it is indicated as " 00 ".

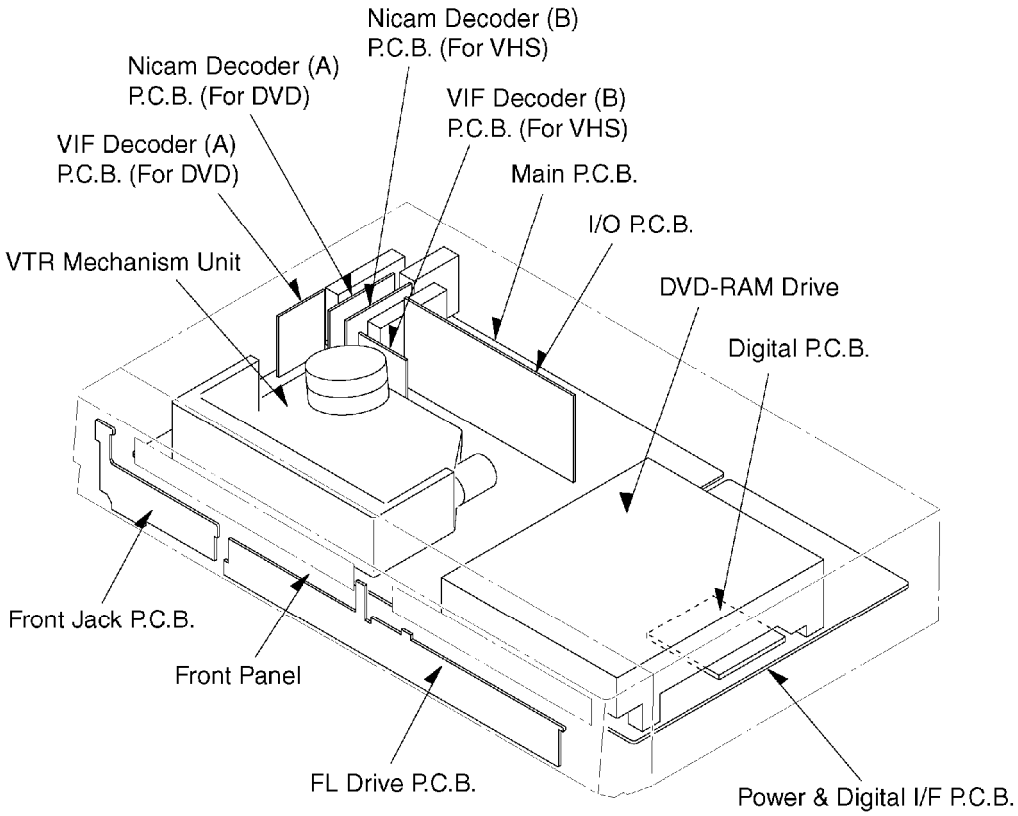
12. Assembling and Disassembling

12.1. Disassembly Flow Chart

The following chart is the procedure for disassembling the casing and inside parts for internal inspection when carrying out the servicing.
To assemble the unit, reverse the steps shown in the chart below.



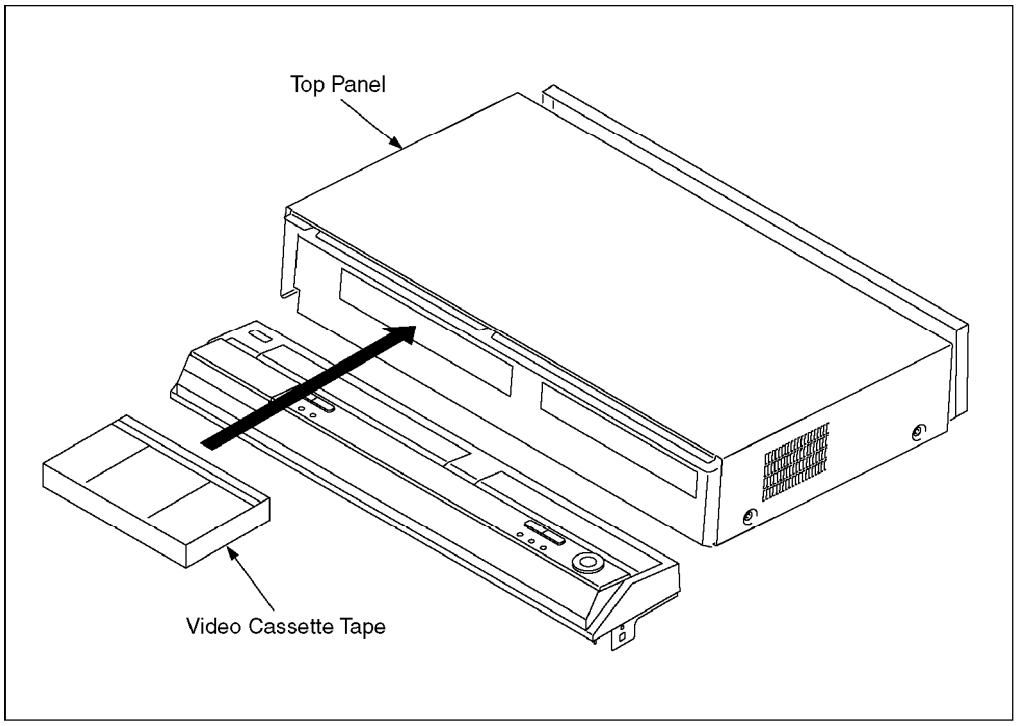
12.2. P.C.B. Positions



12.3. Cation with inserting cassette tape when disassembling the unit

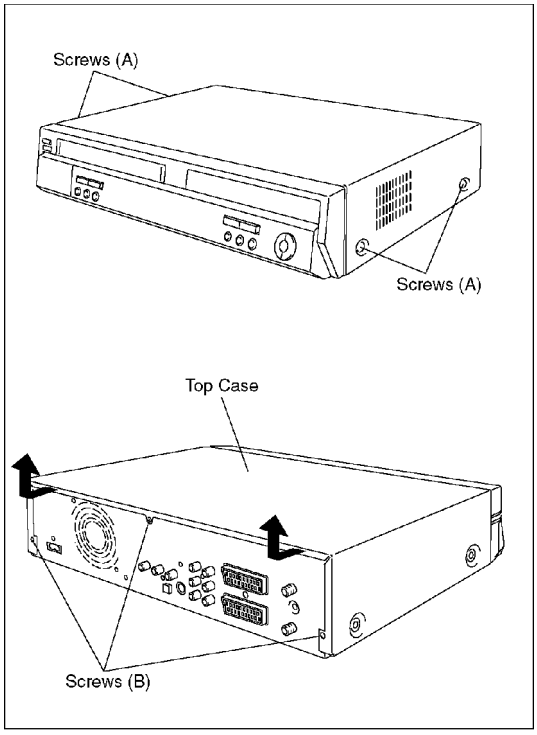
Note1:
For description of the disassembling procedure, see the section 12.

Note2:
Video Cassette might not enter when a strong lighting is applied to VHS Mechanism when Video Cassette is inserted. Please weaken the lighting or cover with the top panel etc.



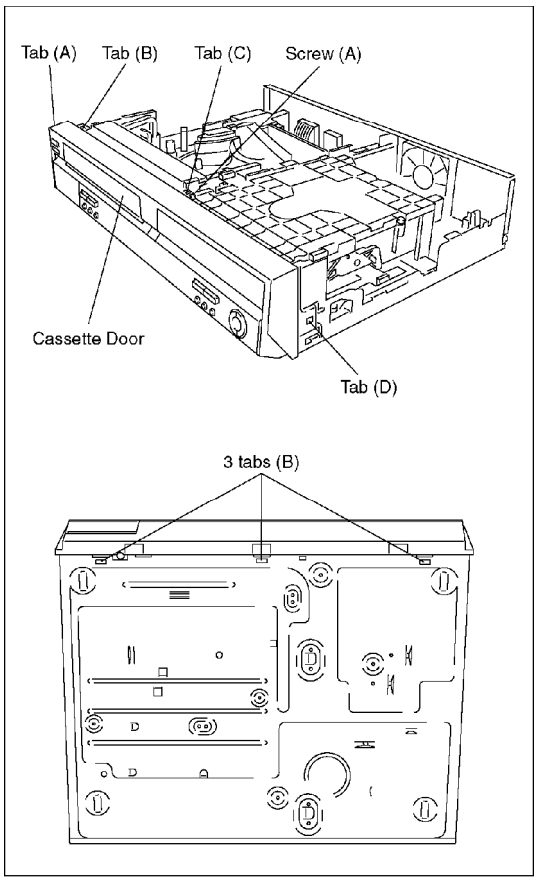
12.4. Top Case

1. **Remove the 4 screws (A) and 3 screws (B).**
2. **Slide the Top Case for rear direction slightly, and open the both ends at rear side of the Top Case a little and lift up the Top Case for the direction of the arrows.**

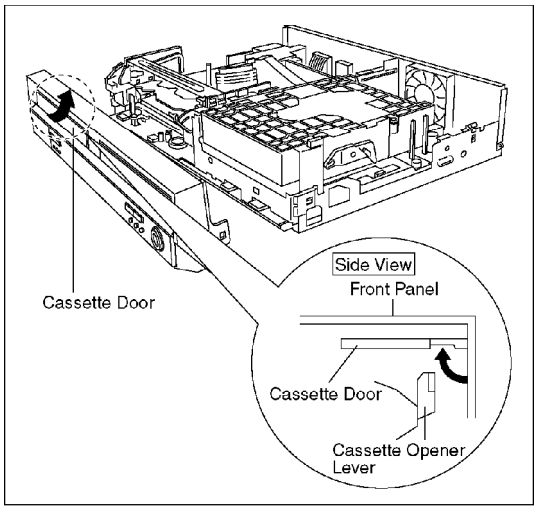


12.5. Front Panel

1. Remove one screw (A).
2. Unlock tab (A) and tab (B) simultaneously.
3. Unlock tab (C) and tab (D) simultaneously.
4. Unlock 3 tabs (E) respectively, and pull out Front Panel with connector slightly.

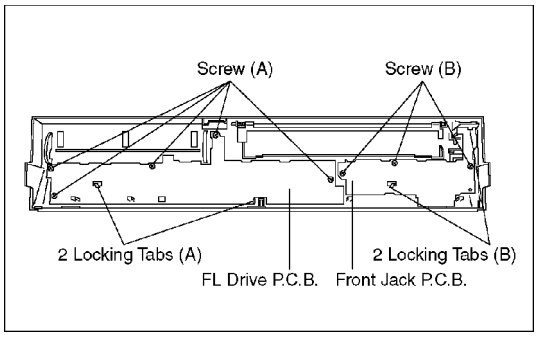


Note:
When attaching Front Panel, in order to hook Cassette Door Opener Lever to Cassette Door, push up cassette door in the direction of arrow and insert a front panel.



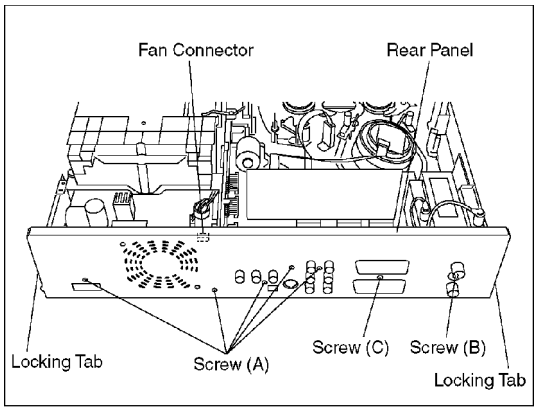
12.6. Front Jack P.C.B. & FL Drive P.C.B.

1. Remove one 5 screws (A), and unlock 2 Locking Tabs (A) to remove FL Drive P.C.B.
2. Remove one 3 screws (B), and unlock 2 Locking Tabs (B) to remove Front Jack P.C.B.



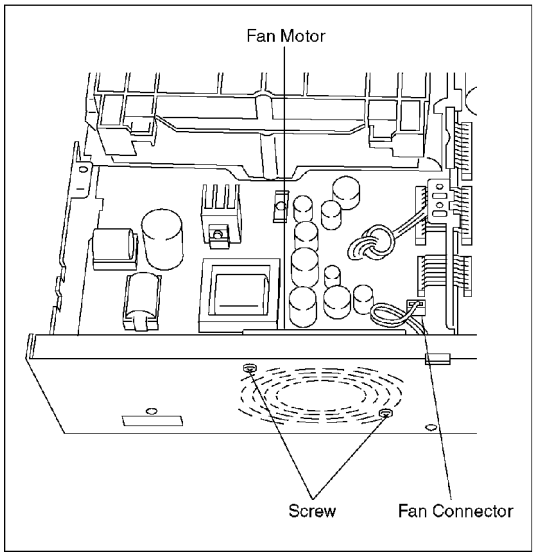
12.7. Rear Panel & Fan Motor

1. Remove 5 Screws (A), Screw (B) and Screw (C) Fan Connector.
2. Unlock 2 Locking Tabs to remove Rear Panel with Fan Motor.



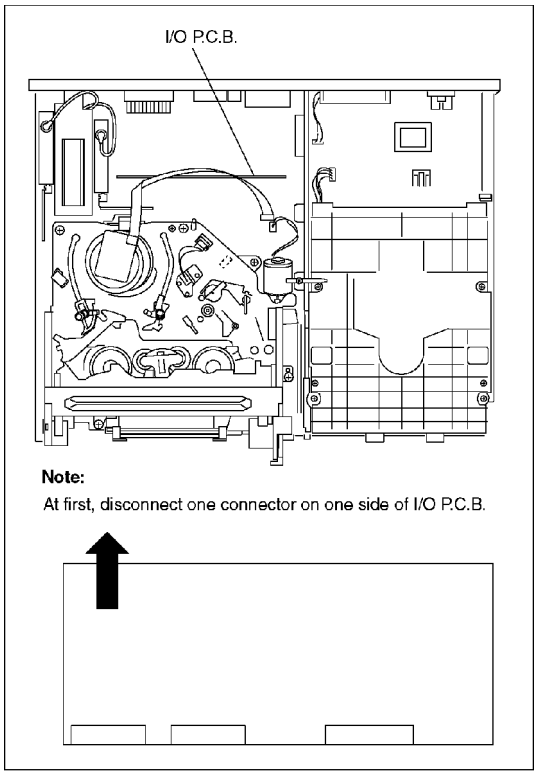
12.7.1. Only Fan Motor

1. Remove 2 Screws and Fan Connector to remove Fan Motor.



12.8. I/O P.C.B.

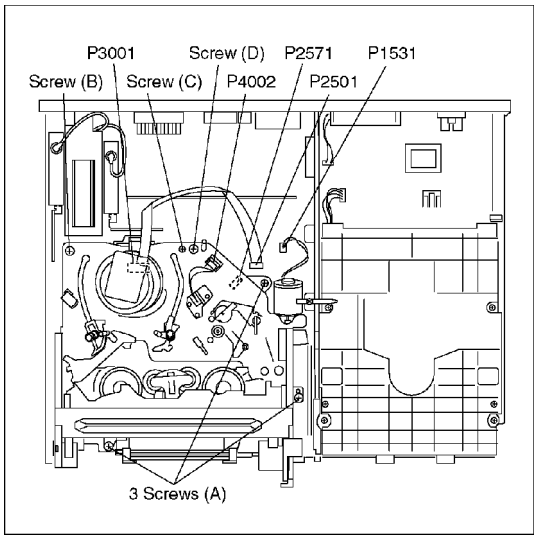
At first, disconnect one connector on one side of I/O P.C.B, and pull out the I/O P.C.B.



12.9. VTR Mechanism Unit

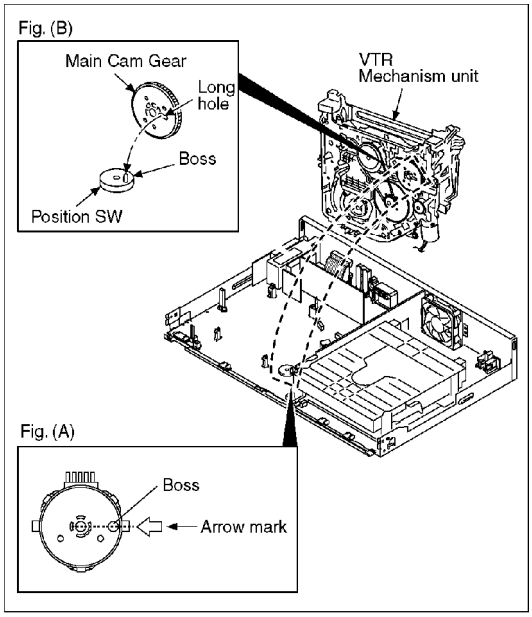
1. Disconnect 3 Connectors (P1531, P2501 and P4002).
2. Remove 3 Black Screws (A), Screw (B) , Screw (C) and Screw D).
3. Lift up VTR Mechanism Unit perpendicularly so to disconnect Connectors (P2571 and P3001).

Note:
When you lift up VTR Mechanism Unit, because connections of P2501 and P3001 are tight, pay attention to that.



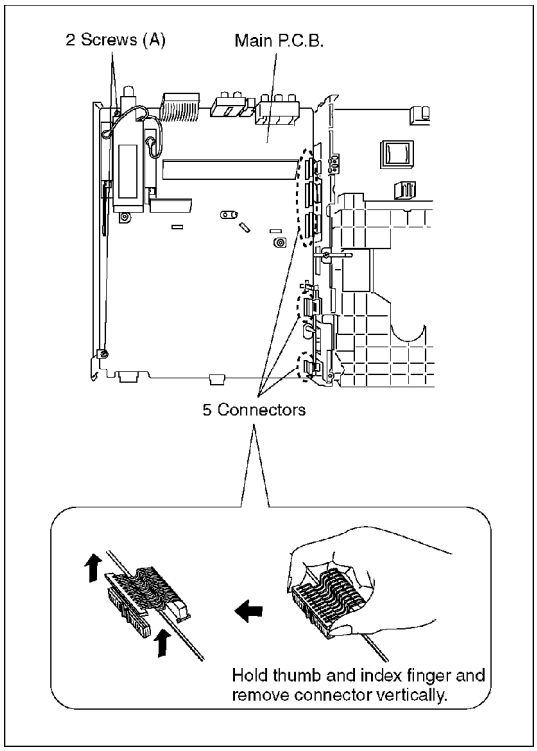
12.9.1. Caution for attaching VTR Mechanism Unit

1. **Because Position SW should be set to "Eject Position", refer to fig.(A) and set the position switch so that the boss and arrow mark come on a straight line.**
2. **Attach VTR Mechanism Unit so that Boss of Position SW is put into long hole of Main Cam Gear, refer to Fig. (B).**



12.10. Main P.C.B.

1. **Disconnect 5 Connectors.**
2. **Remove 2 Screws (A), and remove Main P.C.B.**

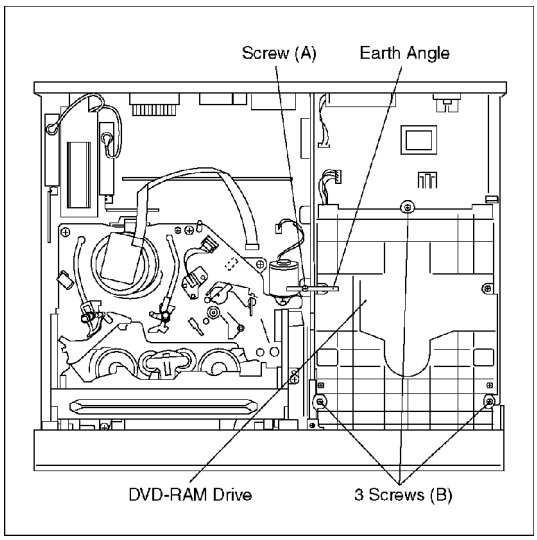


12.11. DVD-RAM Drive

1. Remove Screw (A) and Earth Angle.

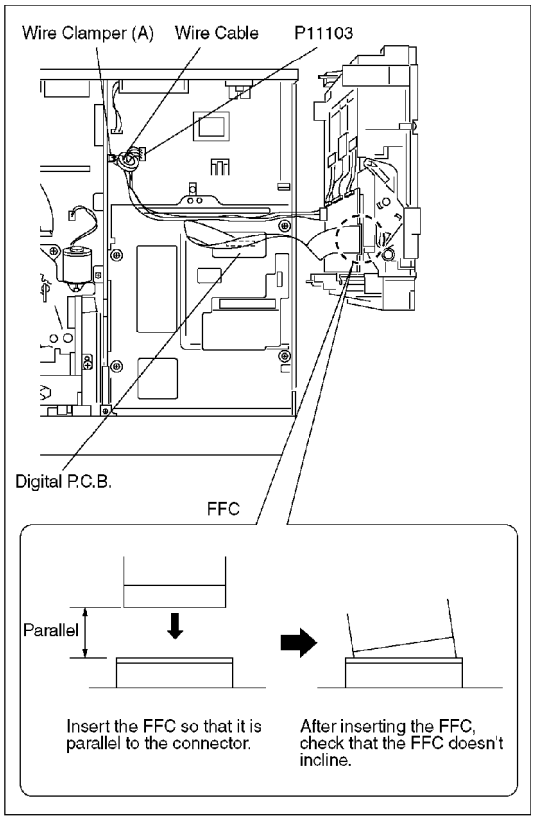
2. Remove 3 Screws (B).

3. Lift up DVD-RAM Drive slightly.



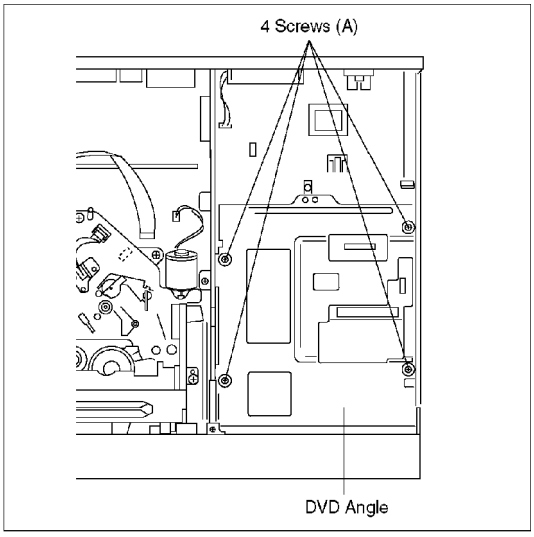
4. Remove wire cable from Wire Clamper (A).

5. Disconnect Connector P11103 and FFC from Digital P.C.B.



12.12. Digital P.C.B.

1. Remove 4 Screws (A) and DVD Angle.



2. Disconnect FFC.

3. Remove Screw (B).

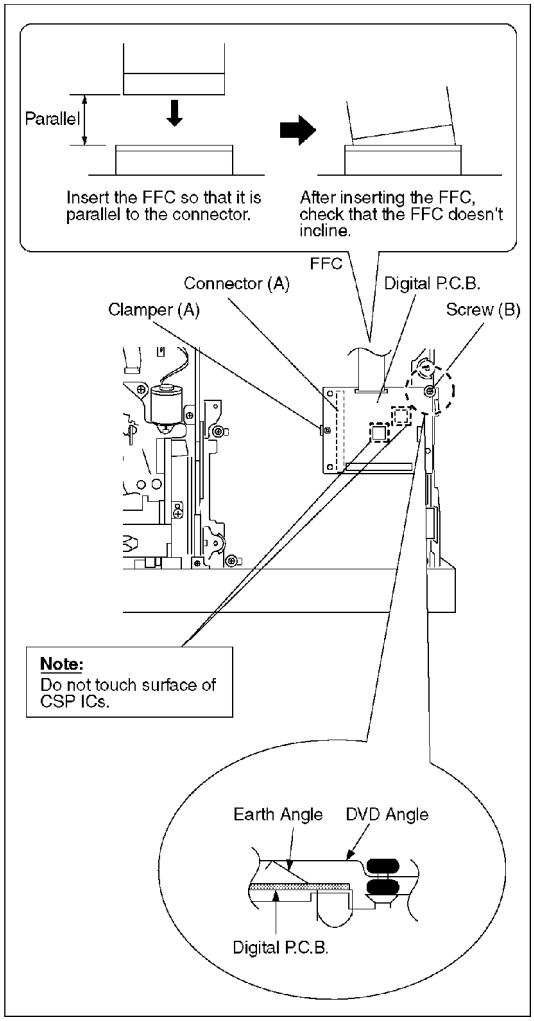
4. Unlock Clamper (A), pay attention to Connector (A), and pull out Digital P.C.B. to disconnect Connector (A).

CAUTION 1:

When replacing Digital P.C.B., pay attention to inserting FFC, and be careful to do not touch surface of CSP ICs.
If you have touched surface of CSP IC, clean up with alcohol and so on to prevent oxidation.

CAUTION 2:

When attaching Digital P.C.B. on to Earth Angle, Earth Angle should be touches to DVD angle as shown below.



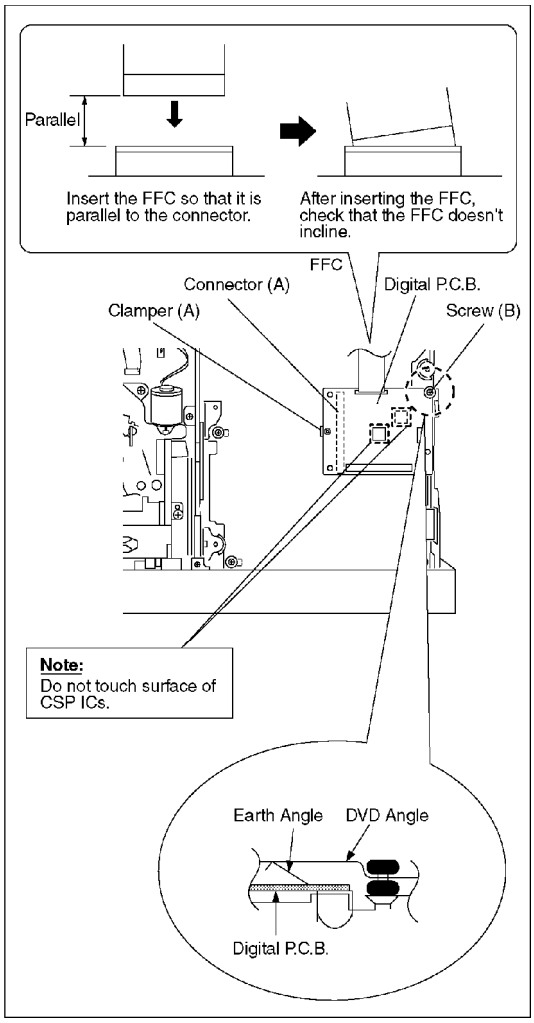
12.13. Power & Digital I/F P.C.B.

1. **Remove Front Panel (refer to 12.5.), Rear Panel (refer to 12.7.), DVD -RAM Drive (refer to 12.11.),Digital P.C.B. (refer to 12.12.) and VTR Mechanism (refer to 12.9.).**
2. **Disconnect 5 Connectors.**
3. **Install VTR Mechanism (refer to 12.9.).**

4. Remove the 5 screws (A) and one scre (B).

5. Remove Front Angle.

6. Remove Power & Digital I/F P.C.B.

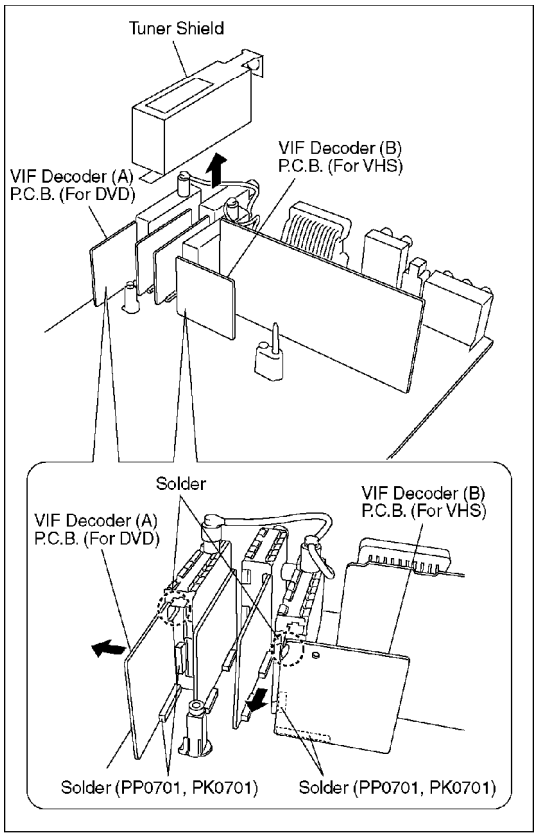


12.14. VIF Decoder (A) P.C.B. (For DVD) & VIF Decoder (B) P.C.B. (For VHS).

1. Remove the Tuner Shield.

2. Remove the solders.

3. Pull out the VIF Decoder P.C.B. (A) or (B).

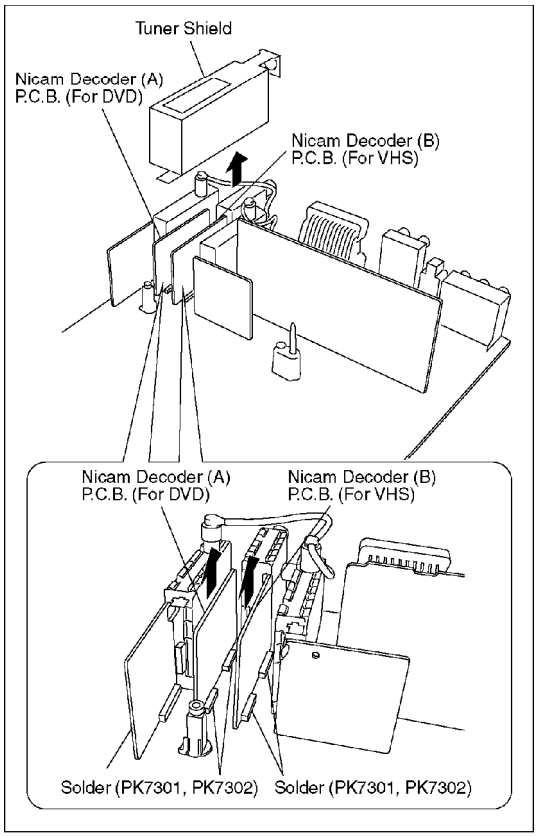


12.15. Nicam Decoder (A) P.C.B. (For DVD) & Nicam Decoder (B) P.C.B. (For VHS).

1. Remove the Tuner Shield.

2. Remove the solders.

3. Pull out the Nicam Decoder P.C.B. (A) or (B).

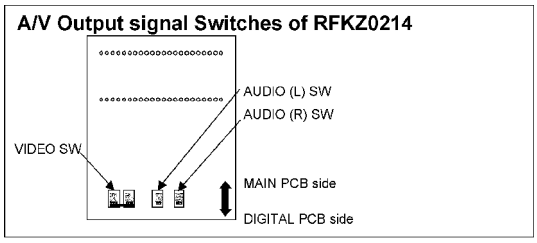


13. Service Fixture and Tools

Part Number	Description	Pcs	Compatib
RFKZ0125	Extension FFC (Digital P.C.B. - DVD-RAM Drive / 40 Pin)	1	Same as E50 s
RFKZ0168	Extension Cable (Power & Digital I/F P.C.B. - FAN / 3 Pin)	1	Same as E50 s
RFKZ0169	Extension Cable (RAM Drive - Power & Digital I/F P.C.B. / 4 Pin)	1	Same as E50 s
VFK1729	Extension Cable (Main P.C.B. - Power & Digital I/F P.C.B./ 13pin/40mm)	2	New
	Extension Cable (Main P.C.B. - Power & Digital I/F P.C.B./ 13pin/40mm)		
RFKZ0240	Extension Cable (Main P.C.B. - Power & Digital I/F P.C.B./ 19pin/40mm)	2	New
	Extension Cable (Main P.C.B. - Power & Digital I/F P.C.B./ 19pin/40mm)		
RFKZ0178	Extension Cable (Main P.C.B. - Power & Digital I/F P.C.B./ 7pin/40mm)	1	New
RFKZ0214	Extension Cable (Power & Digital I/F P.C.B. - Digital P.C.B. / 88 Pin)	1	Same as DMR-
RFKZ0215	Extension Cable (Main P.C.B. - Front (Jack) P.C.B. / 12 Pin)	1	Same as DMR-

Part Number	Description	Pcs	Compatib
VFK1562	Extension Cable (Main P.C.B. - I/O P.C.B. / 18 Pin)	3	New
	Extension Cable (Main P.C.B. - I/O P.C.B. / 18 Pin)		
	Extension Cable (Main P.C.B. - I/O P.C.B. / 18 Pin)		
RFKZ0239	Extension Cable (Power & Digital I/F P.C.B. - FL Drive P.C.B. / 10 Pin)	1	New
RFKZ0238	Extension Cable (Power & Digital I/F P.C.B. - FL Drive P.C.B. / 8 Pin)	2	New
	Extension Cable (Main P.C.B. - FL Drive P.C.B. / 8 Pin)		

NOTE:
Extension Cable RFKZ0214 has A/V Output Signal switches.
Output signals can be switched from MAIN P.C.B. side or DIGITAL P.C.B. side.
When check MAIN P.C.B., turn switches to MAIN P.C.B. side.
When check DIGITAL P.C.B., turn switches to DIGITAL P.C.B. side.



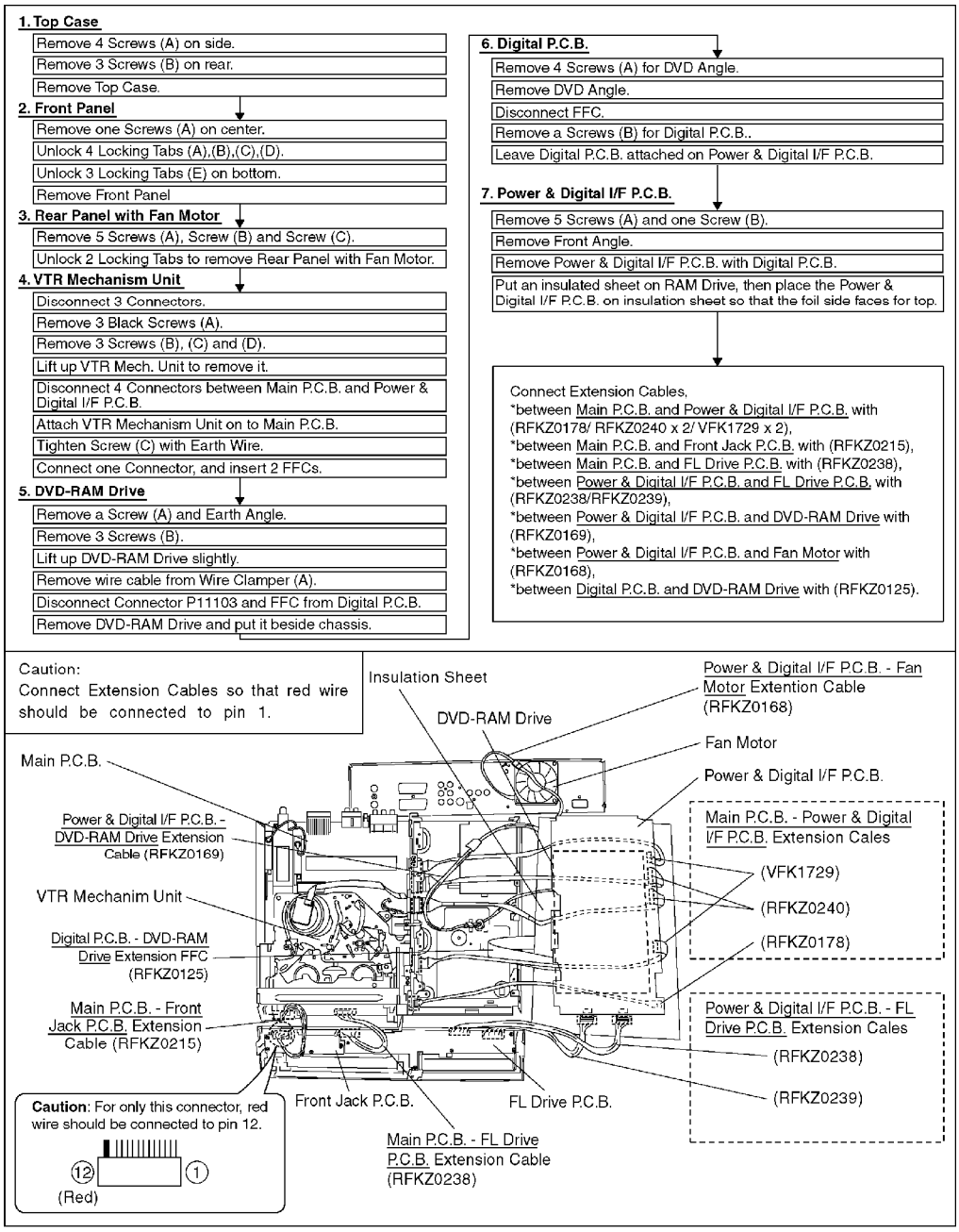
(For VHS)

Part Number	Description	Pcs	Compatib
VFJ8125H3F	PAL VHS Alignment Tape	1	New
VFK0329	Post Adjustment Screwdriver	1	New
VFK0330	Fine Adjustment Gear Driver	1	New

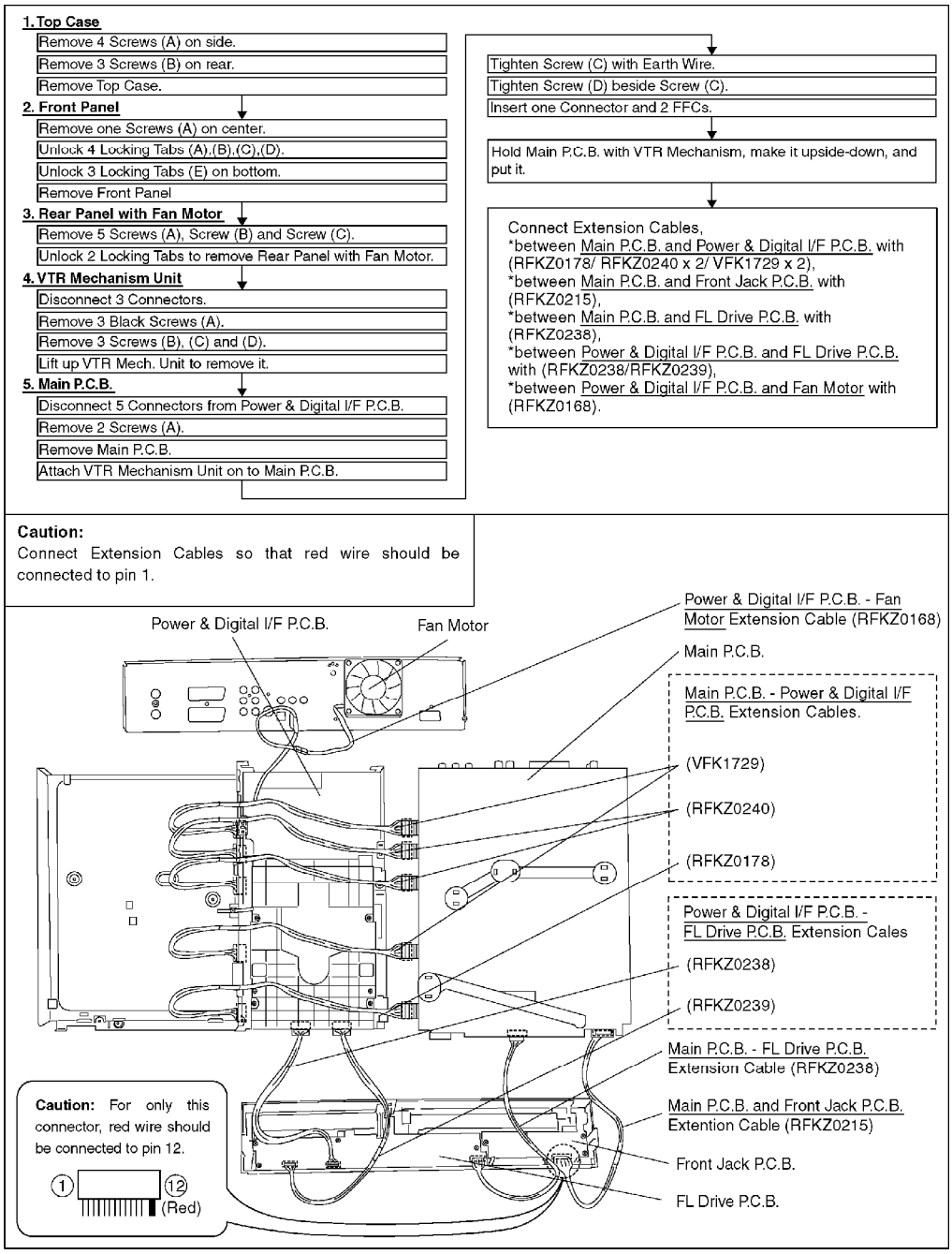
14. Service Positions

Note:
For description of the disassembling procedure, see the section 12.

14.1. Checking and Repairing of Power & Digital I/F P.C.B.



14.2. Checking and Repairing of Main P.C.B.



14.3. Checking and Repairing of Digital P.C.B.

1. Top Case

- Remove 4 Screws (A) on side.
- Remove 3 Screws (B) on rear.
- Remove Top Case.

2. DVD-RAM Drive

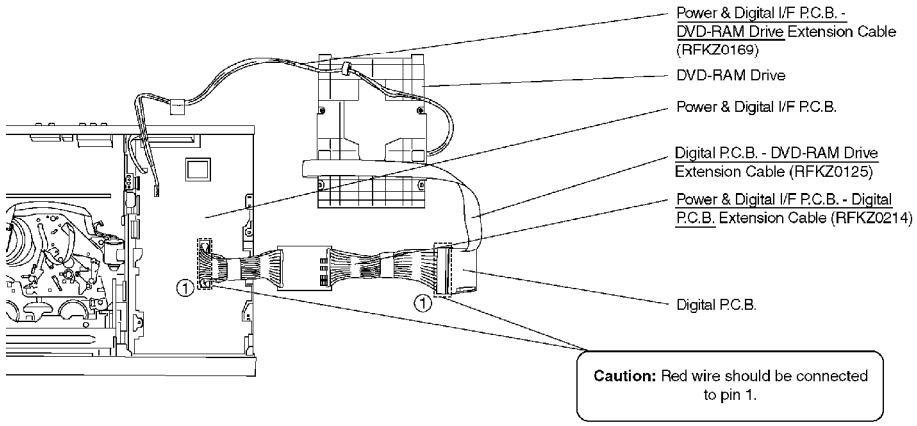
- Remove a Screw (A) and Earth Angle.
- Remove 3 Screws (B).
- Lift up DVD-RAM Drive slightly.
- Remove wire cable from Wire Clamper (A).
- Disconnect Connector P11103 and FFC from Digital P.C.B.
- Remove DVD-RAM Drive and put it beside chassis.

3. Digital P.C.B.

- Remove 4 Screws (A) for DVD Angle.
- Remove DVD Angle.
- Disconnect FFC.
- Remove a Screws (B) for Digital P.C.B..
- Remove Digital P.C.B.

Connect Extension Cables,
*between Power & Digital I/F P.C.B. and Digital P.C.B. with (RFKZ0214),
*between Power & Digital I/F P.C.B. and DVD-RAM Drive with (RFKZ0169),
*between Digital P.C.B. and DVD-RAM Drive with (RFKZ0125).

Caution:
Connect Extension Cables so that red wire of RFKZ0214 should be connected pin 1 .



14.4. Checking and Repairing of I/O P.C.B.

1. Top Case

Remove 4 Screws (A) on side.

Remove 3 Screws (B) on rear.

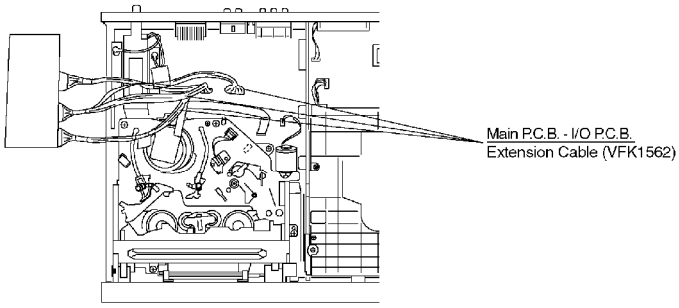
Remove Top Case.

2. I/O P.C.B.

At first, disconnect one connector on one side of I/O P.C.B. and pull out the I/O P.C.B.

Connect Extension Cables,
*between Main P.C.B. and I/O P.C.B. with (VFK1562 x 3).

Caution:
Connect Extension Cables so that red wire should be connected to pin 1.



14.5. Checking and DVD-RAM Drive

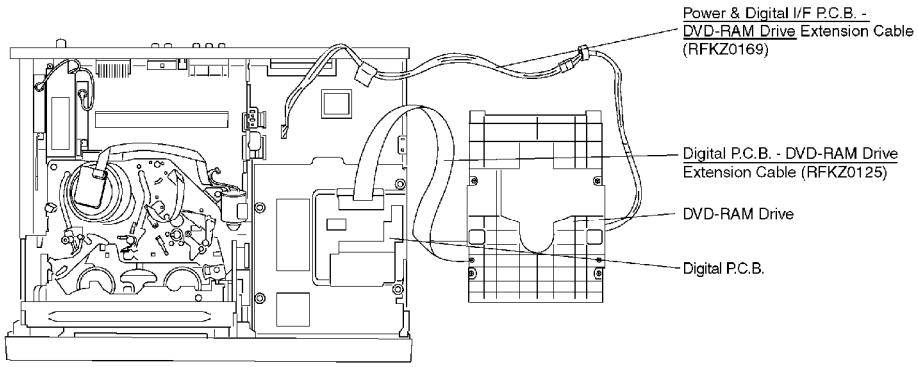
1. Top Case

Remove 4 Screws (A) on side.
Remove 3 Screws (B) on rear.
Remove Top Case.

2. DVD-RAM Drive

Remove a Screw (A) and Earth Angle.
Remove 3 Screws (B).
Lift up DVD-RAM Drive slightly.
Remove wire cable from Wire Clamper (A).
Disconnect Connector P11103 and FFC from Digital P.C.B.
Remove DVD-RAM Drive and put it beside chassis.

Connect Extension Cables,
*between Power & Digital I/F P.C.B. and DVD-RAM Drive with (RFKZ0169),
*between Digital P.C.B. and DVD-RAM Drive with (RFKZ0125).



15. (DVD) Caution after parts replacing parts

15.1. (DVD) After replacing the RAM Drive with new one

After replacing of RAM drive unit, TEST mode is not necessary. Please confirm operation for RAM drive

Caution:

In this case, all parameters are initialized.

15.2. (DVD) When the unit does not operate normally after replacing the Timer Microprocessor with new one

in order to transmit the

Step	Operation	Descriptions
1	While power is ON, short IC37508-4 pin (RESET) and the GND.	“RESET (L)” is transmitted to the terminal of Timer Microprocesso 11 pin), then the unit operates nc

16. (VHS) Caution after replacing parts

PG Shifter Automatic Adjustment and X-VALUE & LINEARITY (P2 and P3 Posts) ADJUSTMENT

should be performed after replacing DD Cylinder, VHS Microprocessor or Main P.C.B.

16.1. (VHS) Adjustment Procedures after replacing DD Cylinder, VHS Microprocessor or Main P.C.B.

ADJUSTMENT PROCEDURE

PROCEDURE	F.I.P. DISPLAY
Turn on the Service Mode **1.Press the FF key and the EJECT key simultaneously for more than 3 seconds.**	00000
Activate the Service Mode 2 **2. While keep pressing FF key, press the EJECT key twice.**	20000
Activate the Entering Mode. **3. Press the EJECT key for more than 3 seconds.**	2 00
Set the Mode 2. **4. Press the CH UP key once.**	2 100
Insert the alignment cassette tape (VFJ8125H3F) **5. The PG Shifter Adjustment starts automatically.**	2 100
When the sequence of the automatic adjustment has been terminated, the following action has been made. ● **SUCCEED: The cassette tape is ejected.** ● **ERROR:If cassette tape was not ejected automatically soon. Then confirm error number "20", "21",** **"22" or "23" in Service ModeNumber 3. (Refer to next PG Shifter Automatic Adjustment** **Self-Diagnosis Indication Table regarding the details of the indications.**	
Exit from Service Mode. **6. Press FF and EJECT keys simultaneously in 6 times.** **Then the FIP becomes normal indication.**	10:00 **(Normal Indication)**

PG SHIFTER AUTOMATIC ADJUSTMENT SELF-DIAGNOSIS INDICATION

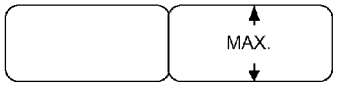
20	**NG1 in the PG Shifter Automatic Adjustment** **(The cylinder rotation is unstable during the automatic adjustment.)**
21	**NG2 in the PG Shifter Automatic Adjustment** **(The vertical sync signal is lacked while over 5 seconds on the alignment tape.)**
22	**NG3 in the PG Shifter Automatic Adjustment** **(The installing position of Heads to the cylinder is our of specification.**
23	**NG4 in the PG Shifter Automatic Adjustment** **(The servo is not locked to the cylinder for more than 10 sec.)**

NOTE:
When DD Cylinder was replaced, the Tape Interchangeability adjustment (X-Value Adjustment, P2 and P3 Posts Adjustment) shown below should be performed after the PG Shifter Automatic Adjustment.

16.2. (VHS) X-VALUE & LINEARITY (P2 and P3 Posts) ADJUSTMENT

1. Set the Auto Tracking to off.
   (1) Press the FF key and the EJECT key simultaneously for more than 3 seconds to enter Service Mode.
   (2) While keep pressing FF key, press the EJECT key twice to activate Service Mode 2, then Auto-Tracking is turned off.
2. Perform the X-VALUE ADJUSTMENT
   (1) After turning off the Auto tracking, playback the alifnment Tape and press [VHS CH UP] and [VHS CH DOWN] keys simultaneously to adjust the tracking to FIX value.
   (2) Adjust A/C Head Base so that the envelope becomes maximum level.
   (It is described on **"5.2. Tape Interchangeability Adjustment" in "R4-MECHANISM-CHASSIS-FOR-EURO-MODEL: Order No. MAD0403002C2"** that is separated volume.)

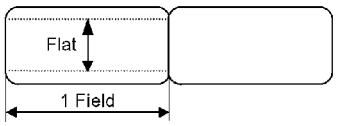
Alignment Tape	VFJ8125H3F
Test Point of Playback Envelope	TW3001 (or TW4502)



Playback Envelope

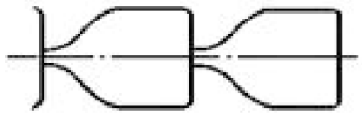
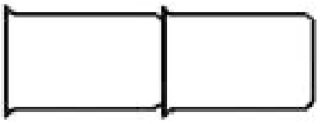
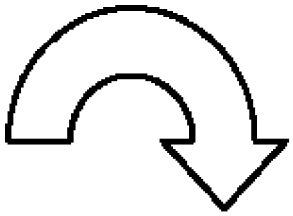
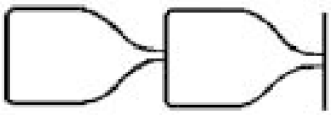
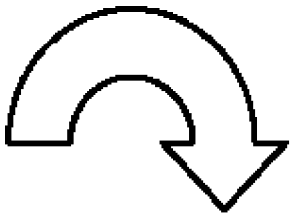
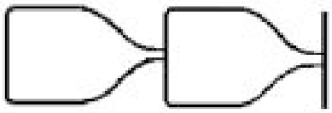
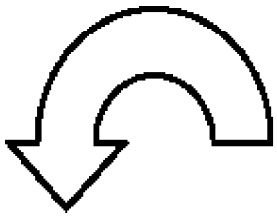
3. Perform the LINEARITY ADJUSTMENT
   (1) After turning off the Auto tracking, playback the alignment Tape and press [VHS CH UP] and [VHS CH DOWN] keys simultaneously to adjust the tracking to FIX value.
   (2) Adjust the LINEARITY so that the envelope is flat when moving tracking to (+) and (-) directions.3

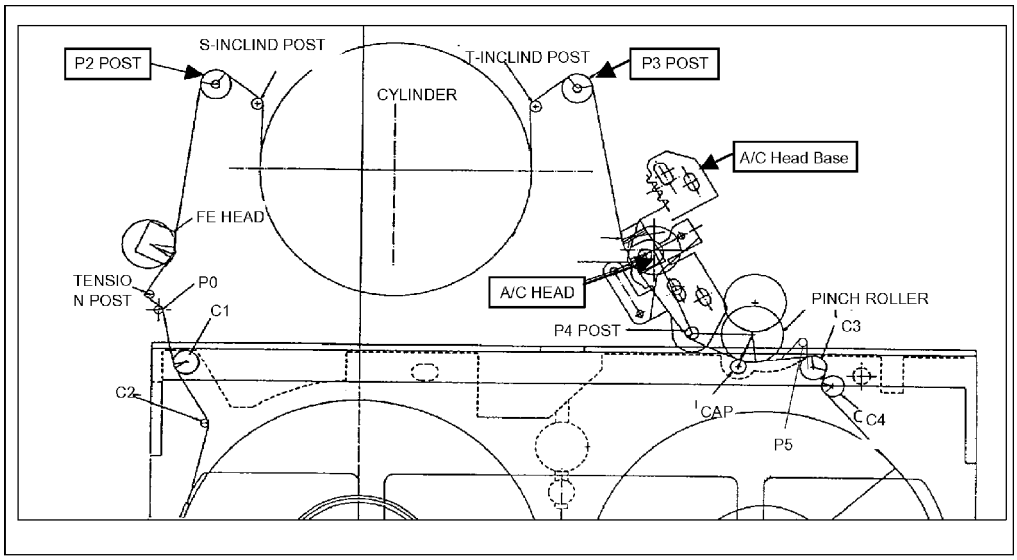
Alignment Tape	VFJ8125H3F
Test Point of Playback Envelope	TW3001 (or TW4502)



Playback Envelope

● **Main symptoms and Adjustment point**

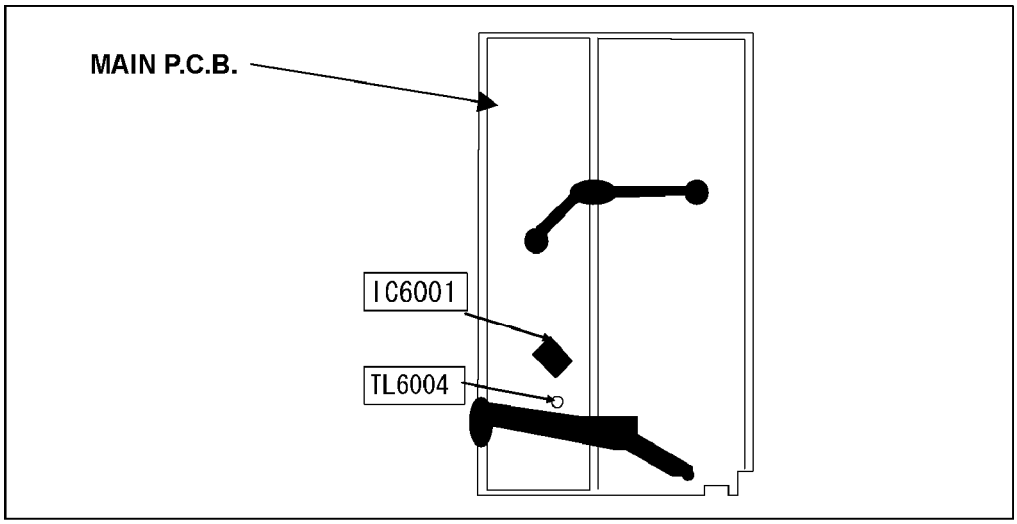
Envelope	Post Name	Adjustment Method
	P2 Post 	Turn P2 Post counter-clockwise (Approx. 1/2 revolution)
	P2 Post 	Turn P2 Post clockwise (Approx. 1/4 revolution)
	P3 Post 	Turn P3 Post clockwise (Approx. 1/2 revolution)
	P3 Post 	Turn P3 Post counter-clockwise (Approx. 1/4 revolution)
	P2 Post  P3 Post 	Turn P2 Post clockwise (Less than 1 revolution) Turn P3 Post counter-clockwise (Less than 1revolution)



16.3. (VHS) Caution after replacing VHS Microprocessor (IC6001)

If the unit does not operate normally after replacing VHS Microprocessor (IC6001), reset IC6001.

1. While power is ON, short out circuit between TL6004 (RESET L) and GND momentarily to reset IC6001.



17. (DVD) Standard Inspection Specifications after Making Repairs

After making repairs, we recommend performing the following inspection, to check normal operation.

No.	Procedure	Item to Check
1	Turn on the power, and confirm items pointed out.	Items pointed out should reappear.
2	Insert RAM disc.	The Panasonic RAM disc should be recog
3	Enter the EE (TU IN / AV IN - AV OUT) mode.	No abnormality should be seen in the pict sound or operation.
4	Perform auto recording and playback for one minute using the RAM disc.	No abnormality should be seen in the pict sound or operation.
5	If a problem is caused by a VCD, DVD-R, DVD-Video, Audio-CD, or MP3, playback the test disc.	No abnormality should be seen in the pict sound or operation.
6	After checking and making repairs, upgrade the firmware to the latest version.	Make sure that [FIRM_SUCCESS] appears FL displays. *[UNFORMAT] display means the unit is a updated to newest same version. Then ve is not necessary.
7	Transfer [9][9] in the service mode setting, and initialize the service settings (return various settings and error information to their default values. The laser time is not included in this initialization).	Make sure that [FACT INIT] appears in the display. After checking it, turn the power off.
8	To replace the RAM drive, reset all the information (including the laser time) in the process mode 1 setting. *The laser time is the total time that DVDs or CDs have been played or recorded.It is recorded on the Digital P.C.B..	Maku sure that [TEST AV1] appears in the display. After checking it, turn the power off.

Use the following checklist to establish the judgement criteria for the picture and sound.

Item	Contents	Check	Item	Contents
Picture	Block noise		Sound	Distorted sound
	Crosscut noise			Noise (static, background noise, etc.)
	Dot noise			The sound level is too low.
	Picture disruption			The sound level is too high.
	Not bright enough			The sound level changes.
	Too bright			
	Flickering color			
	Color fading			

18. Voltage and Waveform Chart

Note)

- Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard.

Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.

18.1. Power & Digital I/F P.C.B.

18.2. Main P.C.B.

18.3. I/O P.C.B.

18.4. FL Drive P.C.B.

18.5. Nicam Decoder (A) & (B) P.C.B.

18.6. Front Jack P.C.B.

18.7. P9001 Connector

18.8. Waveform Chart

Note:
The waveforms are measured with PAL colour bar signal.

19. Abbreviations

19.1. DVD

INITIAL/LOGO		ABBREVIATIONS
A	A0~UP	ADDRESS
	ACLK	AUDIO CLOCK
	AD0~UP	ADDRESS BUS
	ADATA	AUDIO PES PACKET DATA
	ALE	ADDRESS LATCH ENABLE
	AMUTE	AUDIO MUTE
	AREQ	AUDIO PES PACKET REQUEST
	ARF	AUDIO RF
	ASI	SERVO AMP INVERTED INPUT
	ASO	SERVO AMPOUTPUT
	ASYNC	AUDIO WORD DISTINCTION SYNC

INITIAL/LOGO		ABBREVIATIONS
B	BCK	BIT CLOCK (PCM)
	BCKIN	BIT CLOCK INPUT
	BDO	BLACK DROP OUT
	BLKCK	SUB CODE BLOCK CLOCK
	BOTTOM	CAP. FOR BOTTOM HOLD
	BYP	BYPATH
	BYTCK	BYTE CLOCK
C	CAV	CONSTANT ANGULAR VELOCITY
	CBDO	CAP. BLACK DROP OUT
	CD	COMPACT DISC
	CDSCK	CD SERIAL DATA CLOCK
	CDSRDATA	CD SERIAL DATA
	CDRF	CD RF (EFM) SIGNAL
	CDV	COMPACT DISC-VIDEO
	CHNDATA	CHANNEL DATA
	CKSL	SYSTEM CLOCKSELECT
	CLV	CONSTANT LINEAR VELOCITY
	COFTR	CAP. OFF TRACK
	CPA	CPU ADDRESS
	CPCS	CPU CHIP SELECT
	CPDT	CPU DATA
	CPUADR	CPU ADDRESS LATCH
	CPUADT	CPU ADDRESS DATA BUS
	CPUIRQ	CPU INTERRUPT REQUEST
	CPRD	CPU READ ENABLE
	CPWR	CPU WRITE ENABLE
	CS	CHIPSELECT
	CSYNCIN	COMPOSITE SYNC IN
	CSYNCOUT	COMPOSITE SYNC OUT

INITIAL/LOGO		ABBREVIATIONS
D	DACCK	D/A CONVERTER CLOCK
	DEEMP	DEEMPHASIS BIT ON/OFF
	DEMPH	DEEMPHASIS SWITCHING
	DIG0~UP	FL DIGIT OUTPUT
	DIN	DATA INPUT
	DMSRCK	DM SERIAL DATA READ CLOCK
	DMUTE	
	DO	DIGITAL MUTE CONTROL
	DOUT0~UP	DROP OUT
		DATAOUTPUT
	DRF	DATA SLICE RF (BIAS)
	DRPOUT	DROP OUT SIGNAL
	DREQ	DATA REQUEST
	DRESP	DATA RESPONSE
	DSC	DIGITAL SERVO CONTROLLER
	DSLF	DATA SLICE LOOP FILTER
	DVD	DIGITAL VIDEO DISC

INITIAL/LOGO		ABBREVIATIONS
E	EC	ERROR TORQUE CONTROL
	ECR	ERROR TORQUE CONTROL REFERENCE
	ENCSEL	ENCODER SELECT
	ETMCLK	EXTERNAL M CLOCK (81MHz/
	ETSCLK	40.5MHz)
		EXTERNAL S CLOCK (54MHz)
F	FBAL	FOCUS BALANCE
	FCLK	FRAME CLOCK
	FE	FOCUS ERROR
	FFI	FOCUS ERROR AMP INVERTED
	FEO	INPUT
	FG	FOCUS ERROR AMP OUTPUT
	FSC	FREQUENCY GENERATOR
	FSCK	FREQUENCY SUB CARRIER
		FS (384 OVER SAMPLING)
		CLOCK
G	GND	COMMON GROUNDING (EARTH)
H	HA0~UP	HOST ADDRESS
	HD0~UP	HOST DATA
	HINT	HOST INTERRUPT
	HRXW	HOST READ/WRITE

INITIAL/LOGO		ABBREVIATIONS
I	IECOUT	IEC958 FORMAT DATA OUTPUT
	IPFRAG	
	IREF	INTERPOLATION FLAG
	ISEL	I (CURRENT) REFERENCE
		INTERFACE MODE SELECT
L	LDON	LASER DIODE CONTROL
	LPC	LASER POWER CONTROL
	LRCK	L CH/R CH DISTINCTION CLOCK
M	MA0~UP	MEMORY ADDRESS
	MCK	MEMORY CLOCK
	MCKI	MEMORY CLOCK INPUT
	MCLK	MEMORY SERIAL COMMAND CLOCK
	MDATA	MEMORY SERIAL COMMAND DATA
	MDQ0~UP	MEMORY DATA INPUT/OUTPUT
	MDQM	MEMORY DATA I/O MASK
	MLD	MEMORYSERIAL COMMAND LOAD
	MPEG	MOVING PICTURE EXPERTS GROUP
O	ODC	OPTICAL DISC CONTROLLER
	OFTR	OFF TRACKING
	OSCI	OSCILLATOR INPUT
	OSCO	OSCILLATOR OUTPUT
	OSD	ON SCREEN DISPLAY
P	P1~UP	PORT
	PCD	CD TRACKING PHASE DIFFERENCE
	PCK	PLL CLOCK
	PDVD	DVD TRACKING PHASE DIFFERENCE
	PEAK	CAP. FOR PEAK HOLD
	PLLCLK / PLLOK	CHANNEL PLL CLOCK PLL LOCK
	PWMCTL	PWM OUTPUT CONTROL
	PWMDA	PULSE WAVE MOTOR DRIVEA
	PWMOA, B	PULSE WAVE MOTOR OUT A, B

INITIAL/LOGO		ABBREVIATIONS
R	RE	READ ENABLE
	RFENV	RF ENVELOPE
	RFO	RF PHASE DIFFERENCE
	RS	OUTPUT
	RSEL	(CD-ROM) REGISTER SELECT
	RST	RF POLARITY SELECT
	RSV	RESET
		RESERVE
S	SBI0, 1	SERIAL DATA INPUT
	SBO0	SERIAL DATA OUTPUT
	SBT0, 1	SERIAL CLOCK
	SCK	SERIAL DATA CLOCK
	SCKR	AUDIO SERIAL CLOCK
	SCL	RECEIVER
	SCLK	SERIAL CLOCK
	SDA	SERIAL CLOCK
	SEG0~UP	SERIAL DATA
	SELCLK	FL SEGMENT OUTPUT
	SEN	SELECTCLOCK
	SIN1, 2	SERIAL PORT ENABLE
	SOUT1, 2	SERIAL DATA IN
	SPDI	SERIAL DATA OUT
	SPDO	SERIAL PORT DATA INPUT
	SPEN	SERIAL PORT DATA OUTPUT
	SPRCLK	SERIAL PORT R/W ENABLE
	SPWCLK	SERIAL PORT READ CLOCK
	SQCK	SERIAL PORT WRITE CLOCK
	SQCX	SUB CODE Q CLOCK
	SRDATA	SUBCODE Q DATA READ
	SRMADR	CLOCK
	SRMDT0~7	SERIAL DATA
		SRAM ADDRESS BUS
	SS	SRAM DATA BUS 0~7
	STAT	START/STOP
	STCLK	STATUS
	STD0~UP	STREAM DATA CLOCK
	STENABLE	STREAM DATA
		STREAM DATA INPUT ENABLE
	STSEL	STREAM DATA POLARITY
	STVALID	SELECT
	SUBC	STREAM DATAVALIDITY
	SBCK	SUB CODE SERIAL
	SUBQ	SUB CODE CLOCK
	SYSCLK	SUB CODE Q DATA
		SYSTEM CLOCK

		SYSTEM CLOCK

INITIAL/LOGO		ABBREVIATIONS
T	TE	TRACKING ERROR
	TIBAL	BALANCE CONTROL
	TID	BALANCE OUTPUT 1
	TIN	BALANCE INPUT
	TIP	BALANCE INPUT
	TIS	BALANCE OUTPUT 2
	TPSN	OP AMP INPUT
	TPSO	OP AMP OUTPUT
	TPSP	OP AMP INVERTED INPUT
	TRCRS	TRACK CROSSSIGNAL
	TRON	TRACKING ON
	TRSON	TRAVERSE SERVO ON

INITIAL/LOGO		ABBREVIATIONS
V	VBLANK	V BLANKING
	VCC	COLLECTOR POWER SUPPLY VOLTAGE
	VCDCONT	VIDEO CD CONTROL (TRACKING BALANCE)
	VDD	DRAIN POWER SUPPLY VOLTAGE
	VFB	VIDEO FEED BACK
	VREF	VOLTAGE REFERENCE
	VSS	SOURCE POWER SUPPLYVOLTAGE
W	WAIT	BUS CYCLE WAIT
	WDCK	WORD CLOCK
	WEH	WRITE ENABLE HIGH
	WSR	WORD SELECT RECEIVER

INITIAL/LOGO		ABBREVIATIONS
X	X	X' TAL
	XALE	X ADDRESS LATCH ENABLE
	XAREQ	X AUDIO DATA REQUEST
	XCDROM	X CD ROM CHIP SELECT
	XCS	X CHIP SELECT
	XCSYNC	X COMPOSITE SYNC
	XDS	X DATA STROBE
	XHSYNCO	X HORIZONTAL SYNC OUTPUT
	XHINT	XH INTERRUPTREQUEST
	XI	X' TAL OSCILLATOR INPUT
	XINT	X INTERRUPT
	XMW	X MEMORY WRITE ENABLE
	XO	X' TAL OSCILLATOR OUTPUT
	XRE	X READ ENABLE
	XSRMCE	X SRAM CHIP ENABLE
	XSRMOE	X SRAM OUTPUT ENABLE
	XSRMWE	X SRAM WRITE ENABLE
	XVCS	X V-DEC CHIPSELECT
	XVDS	X V-DEC CONTROL BUS
	XVSYNCO	STROBE
		X VERTICAL SYNC OUTPUT

19.2. VHS

20. Block Diagram

20.1. Power Supply Block Diagram

20.2. Digital I/F Regulator Block Diagram

20.3. Digital I/F Timer Block Diagram

20.4. System Control, Servo & Timer Block Diagram

20.5. Audio Block Diagram

20.6. Video Block Diagram

20.7. Digital Block Diagram

20.8. Digital Block IC Pin Terminal Chart

21. Schematic Diagram

21.1. Interconnection Schematic Diagram

21.2. Power Supply Section (Power & Digital I/F P.C.B.(1/2)) Schematic Diagram (P)

21.3. Digital I/F Section (Power & Digital I/F P.C.B.(2/2)) Schematic Diagram (D)

21.4. Syscon/Servo/Timer Section (Main P.C.B.(1/3)) Schematic Diagram (S)

21.5. Hi-Fi Audio Section (Main P.C.B.(2/3)) Schematic Diagram (A)

21.6. Video Section (Main P.C.B.(3/3)) Schematic Diagram (V)

21.7. Glue Net Section (Digital P.C.B.(1/4)) Schematic Diagram (GN)

21.8. AVENC/RTSC Section (Digital P.C.B.(2/4)) Schematic Diagram (EN)

21.9. AV Decoder/Main CPU Section (Digital P.C.B.(3/4)) Schematic Diagram (MC)

21.10. Audio I/O Section (Digital P.C.B.(4/4)) Schematic Diagram (AI)

21.11. A/V I/O Schematic Diagram

21.12. VIF Decoder (A) Schematic Diagram (For DVD)

21.13. Nicam Decoder (A) Schematic Diagram (For DVD)

21.14. VIF Decoder (B) Schematic Diagram (For VHS)

21.15. Nicam Decoder (B) Schematic Diagram (For VHS)

21.16. FL Drive Schematic Diagram

21.17. Front Jack Schematic Diagram

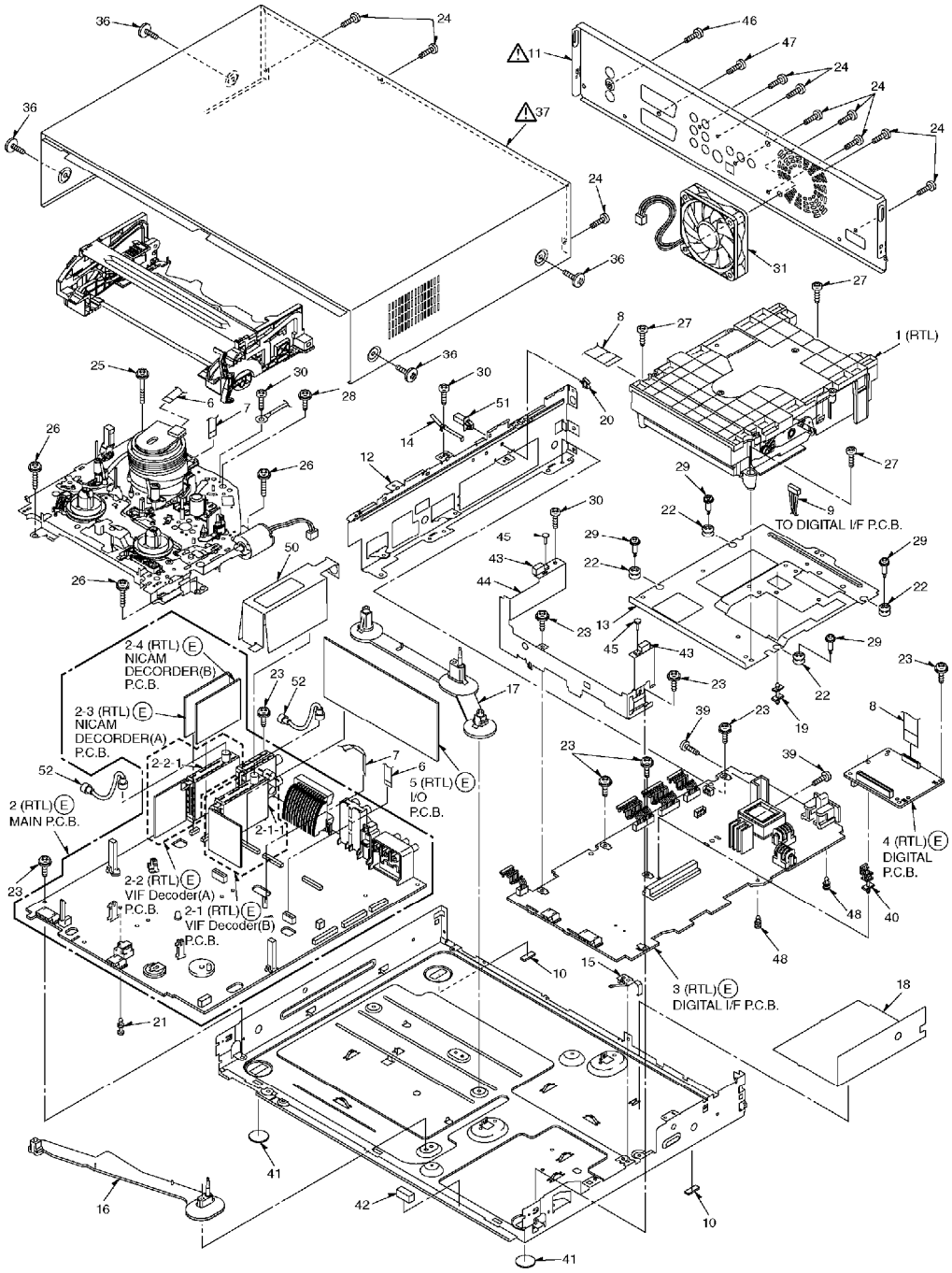
22. Print Circuit Board

22.1. Power & Digital I/F P.C.B

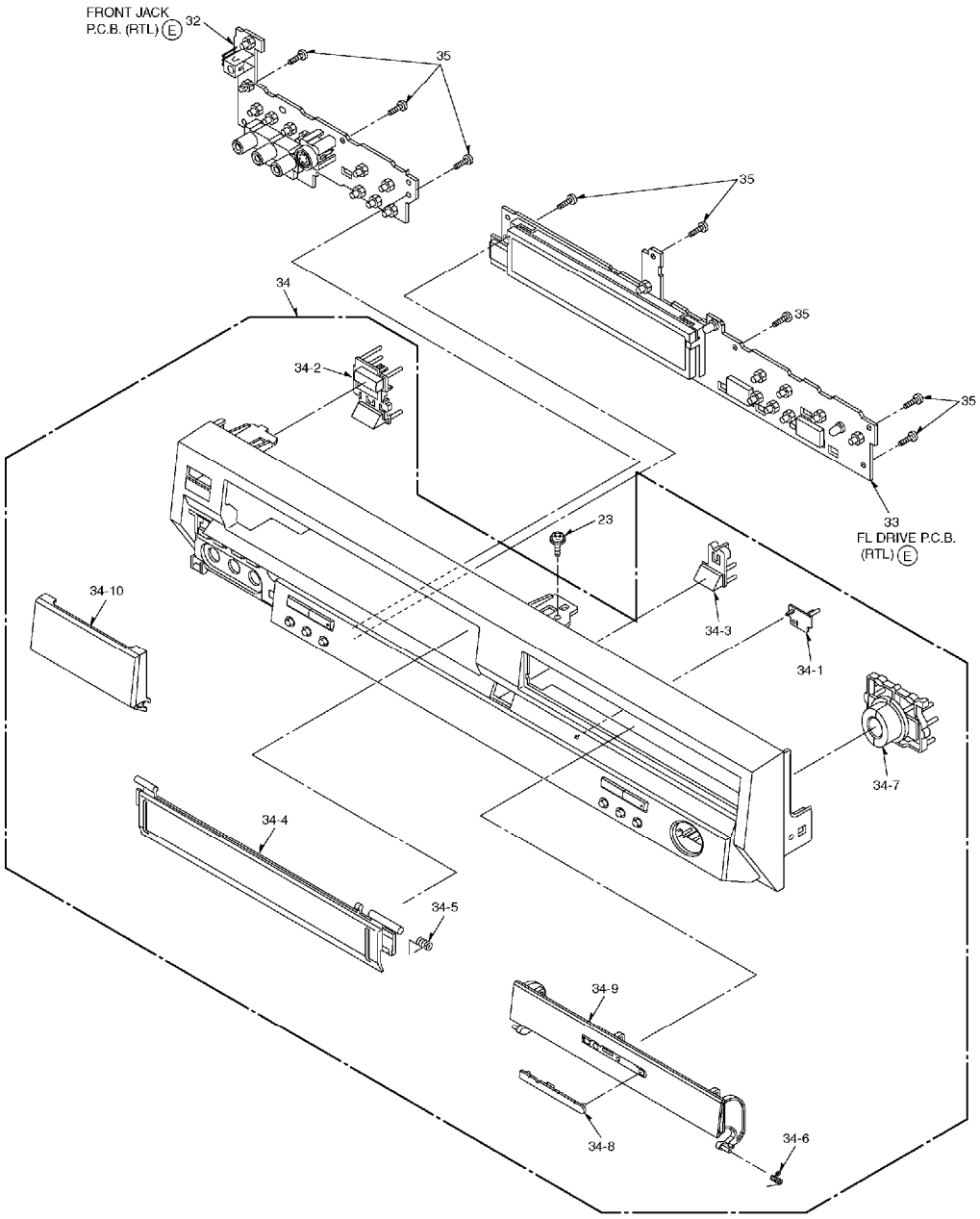
22.1.1. Power & Digital I/F P.C.B. Address Information

22.2. Main P.C.B.

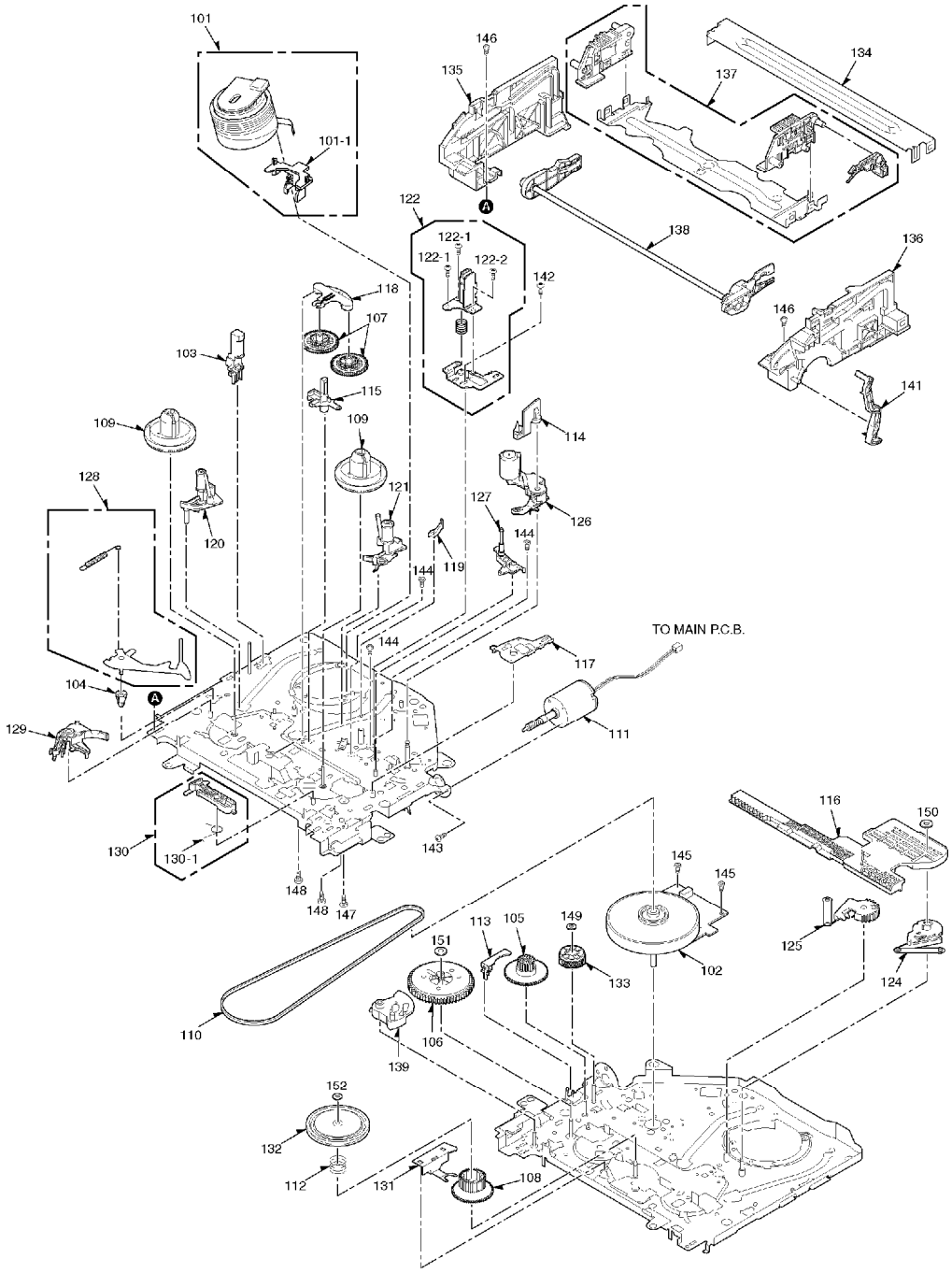
22.2.1. Main P.C.B. (1/4 Section)
22.2.2. Main P.C.B. (2/4 Section)
22.2.3. Main P.C.B. (3/4 Section)
22.2.4. Main P.C.B. (4/4 Section)
22.2.5. Main P.C.B. Address Information
22.3. Digital P.C.B.
22.3.1. Digital P.C.B. (Component Side)
22.3.2. Digital P.C.B. (Foil Side)
22.3.3. Digital P.C.B. Address Information
22.4. I/O P.C.B.
22.5. VIF Decoder (A) P.C.B. (For DVD)
22.6. Nicam Decoder (A) P.C.B. (For DVD)
22.7. VIF Decoder (B) P.C.B. (For VHS)
22.8. Nicam Decoder (B) P.C.B. (For VHS)
22.9. FL Drive & Front Jack P.C.B.
23. Exploded Views
23.1. Casing Parts & Mechanism Section 1



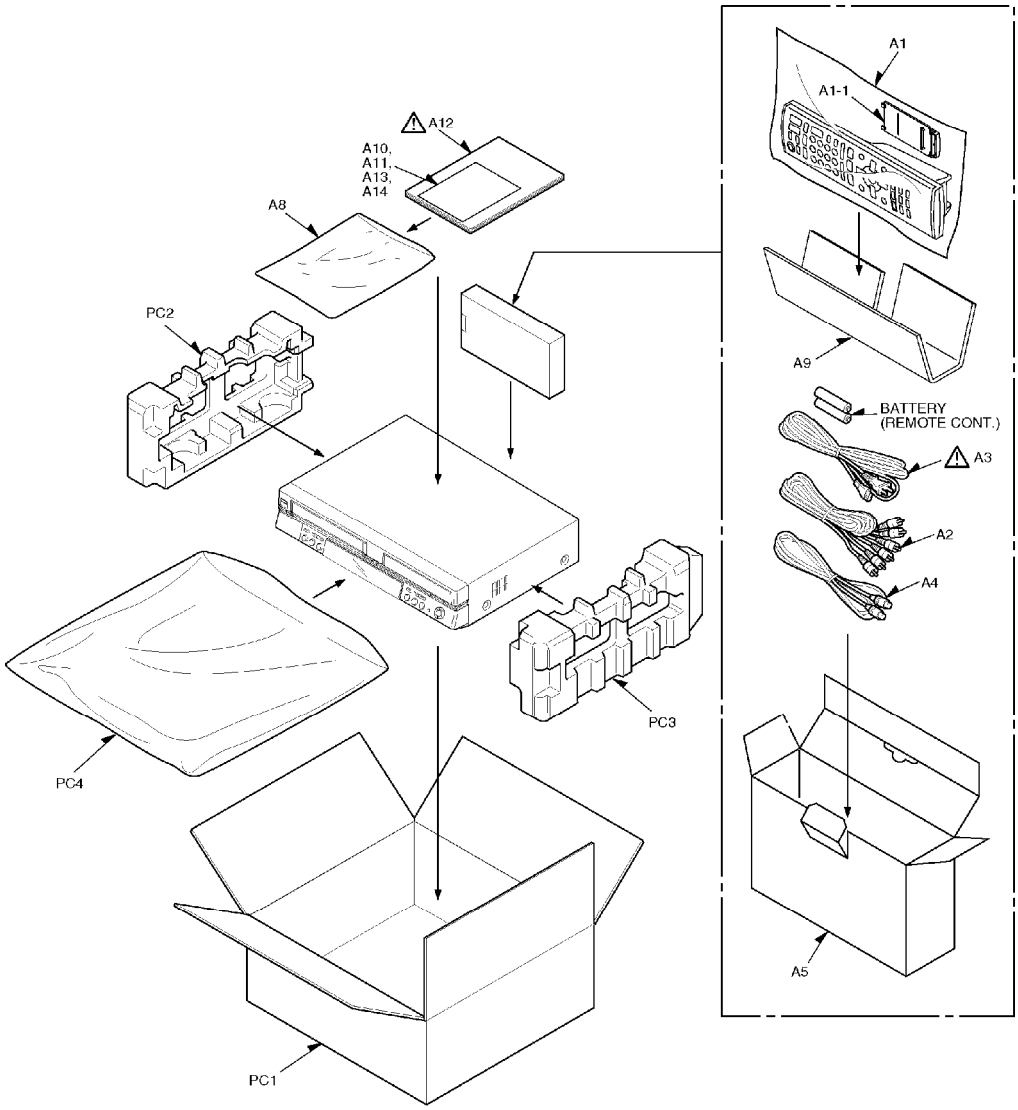
23.2. Casing Parts & Mechanism Section 2



23.3. VHS Mechanism Section



23.4. Packing & Accessories Section



24. Replacement Parts List

Notes:

***Important safety notice:**

Components identified by ⚠ mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.

When replacing any of components, be sure to use only manufactures specified parts shown in the parts list.

***Warning: This product uses a laser diode. Refer to caution statements.**

***Capacity values are in microfarads (μ F) unless specified otherwise, P=Pico-farads (pF), F= Farads (F).**

***Resistance values are in ohms, unless specified otherwise, 1K=1,000 (OHM), 1M=1,000k (OHM).**

***The marking (RTL) indicates the retention time is limited for this item. After the discontinuation of this assembly in production, it will no longer be available.**

***"<IA>"-"<IH>" marks in Remarks indicate languages of instruction manual. [<IA>: English, <IB>: German, <IC>: French, <ID>:Spanish, <IE>: English, <IF>: Italian, <IG>: Netherlands, <IH>:**

Swedish/ Danish]
***All parts are supplied by S.P.C..**

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
■	01	CASING/ACCESSORY/PACKING		
1	VXY1813	RAM DRIVE UNIT	1	(RTL)
2	VEP06F79A	MAIN P.C.B.	1	(RTL)EG
2	VEP06F79B	MAIN P.C.B.	1	(RTL)EB
2-1	VEP07A71G	VHS VIF P.C.B.	1	(RTL)EG
2-1	VEP07A71H	VHS VIF P.C.B.	1	(RTL)EB
2-1-1	VMP7997	CONNECTING ANGLE	1	
2-2	VEP07A71J	HI-FI VIF P.C.B.	1	(RTL)EG
2-2	VEP07A71K	HI-FI VIF P.C.B.	1	(RTL)EB
2-2-1	VMP5897	CONNECTING ANGLE	1	
2-3	VEP07A51A	NICAM DECORDER P.C.B.	1	(RTL)EB
2-3	VEP07A51C	NICAM DECORDER P.C.B.	1	(RTL)EG
2-4	VEP07A51B	VHS DECORDER P.C.B.	1	(RTL)EB
2-4	VEP07A51D	VHS DECORDER P.C.B.	1	(RTL)EG
3	VEP09132A	DIGITAL IF P.C.B.	1	(RTL)
4	REP3717H	DIGITAL P.C.B.	1	EG
4	RFKBE75VEB	DIGITAL P.C.B.	1	EB
5	VEP03G68A	I/O P.C.B.	1	(RTL)EG
5	VEP03G68B	I/O P.C.B.	1	(RTL)EB
6	VWJ1727	FFC(8P)	1	
7	VWJ1728	FFC(6P)	1	
8	VWJ1743	FFC(42P)	1	
9	VEE0Z49	WIRE WITH CONNECTOR(4P)	1	
10	VKA0382	FOOT	2	
11	VMP7971	REAR PANEL	1	EG ⚠
11	VMP7972	REAR PANEL	1	EB ⚠
12	VMP7968	CENTER ANGLE	1	
13	VMP7976	DVD ANGLE	1	
14	VMC1942	EARTH SPRING(DVD)	1	
15	VMC1937	EARTH SPRING(DIGITAL)	1	
16	VMX3115	MECHA SPACER(F)	1	
17	VMX3229	MECHA SPACER(R)	1	
18	VMZ3445	BARRIER	1	
19	VKC0392	SPACER	1	
20	VJF0442	CLAMPER	1	
21	VKC0554	PCB SPACER	1	
22	VMG1455	HDD DUMPER	4	
23	RHD30111	SCREW	9	
24	VHD0690	SCREW	10	
25	VHD1452	SCREW	1	
26	VHD1453	SCREW	3	
27	RHD30115	SCREW	3	
28	VHD1092	SCREW	1	
29	VHD1662	SCREW	4	
30	XTV26+6F	SCREW	3	
31	L6FALCCE0006	FAN MOTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
32	VEP04868C	FRONT JACK P.C.B.	1	(RTL)
33	VEP07A74C	FL DRIVE P.C.B.	1	(RTL)
34	VYP8965	FRONT PANEL ASS'Y1	1	EG
34	VYP8966	FRONT PANEL ASS'Y1	1	EB
34-1	VGL1100	PANEL LIGHT	1	
34-2	VGU9602	POWER BUTTON	1	
34-3	VGU9603	EJECT BUTTON(DVD)	1	
34-4	VKF3897	BLINDER PANEL	1	
34-5	VMB2521	BLINDER SPRING	1	
34-6	VMB3410	TRAY SPRING	1	
34-7	VXU1634	DUB BUTTON ASS'Y	1	
34-8	VGB0617	DVD RECORDING BADGE	1	
34-9	VKF3879	TRAY DOOR	1	
34-10	VYF2990	DOOR ASS'Y	1	
35	XTBS26+8J	SCREW	8	
36	RHD30113	SCREW	4	
37	VGM2077	TOP PANEL	1	⚠
39	XTN3+8G	SCREW	2	
40	VKC0612	PCB SPACER	1	
41	VKA0385	LEG	2	
42	K4ZZZZ000006	GASKET	1	
43	K4ZZZZ000008	GASKET	2	
44	VMP8102	FRONT SHIELD	1	
45	VGQ8142	PUSH RIVETS	2	
46	XSN3+4FZ	SCREW	1	
47	XTB4+10GFZ	SCREW	1	
48	VKC0295	PCB HOLDER	2	
50	VMZ3488	TUNER BARRIER	1	
51	VMP4985	CARD CORNER HOLDER	1	
52	K2KA29A00011	CABLE	2	
101	VEG1648KIT	RDD CYLINDER ASS'Y	1	
101-1	VMD4983	FPC HOLDER	1	
102	VEM0750T	CAPSTAN MOTOR	1	
103	L1AZ00000004	FE HEAD UNIT	1	
104	VDB1431	TENSION ARM BOSH	1	
105	VDG1510	INTERMEDIATE GEAR	1	
106	VDG1511	MAIN CAM GEAR	1	
107	VDG1512	IDLER GEAR	2	
108	VDG1514	CHANGE GEAR	1	
109	VDR0372	REEL TABLE	2	
110	VDV0391	CAPSTAN BELT	1	
111	VEM0797	LOADING MOTOR	1	
112	VMB3550	CHANGING GEAR SPRING	1	
113	VMD4249	SCREW	1	
114	VMD4252	OPENER PIECE	1	
115	VMD4253	LED PRISM	1	
116	VML3624	MAIN LEVER	1	
117	VML3626	PINCH CHARGE ARM	1	
118	VML3632	IDLER ARM	1	
119	VMX3092	P4 CAP	1	
120	VXA7105	S SHAFT HOLDER	1	
121	VXA7106	T SHAFT HOLDER	1	
122	L1AE00000036	AC HEAD ASS'Y	1	
122-1	VHD1066	SCREW	2	

[illegible]	[illegible]	[illegible]	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
122-2	VHD1185	SCREW	1	
124	VXL3107	S LOADING ARM	1	
125	VXL3108	T LOADING ARM	1	
126	VXL3109	PINCH ARM	1	
127	VXL3110	P5 ARM	1	
128	VXL3111	TENSION ARM	1	
129	VXL3112	S BRAKE ARM	1	
130	VXL3113	T BRAKE ARM	1	
130-1	VMB3548	T BRAKE SPRING	1	
131	VXL3124	CHANGING LEVER	1	
132	VXP2133	CENTER CLUTCH	1	
133	VXP2168	TORQUE CLUTCH	1	
134	VMA0L25	TOP PLATE	1	
135	VMD4255	SIDE PLATE L	1	
136	VMD4254	SIDE PLATE R	1	
137	VXA7110	CASSETTE HOLDER UNIT	1	
138	VXL3160	MAIN SHAFT	1	
139	VXA7311	SECTOR GEAR	1	
141	VML3706	OPENER LEVER	1	
142	VHD1044	SCREW	1	
143	XYN3+C4	SCREW	1	
144	XTN26+7J	SCREW	3	
145	XTV26+5F	SCREW	2	
146	XTV26+8FR	SCREW	2	
147	VHD1095	SCREW	1	
148	VHD1117	SCREW	2	
149	VMX2208	WASHER	1	
150	VMX3114	WASHER	1	
151	VMX2699	WASHER	1	
152	VMX3196	WASHER	1	
A1	EUR7721X30	REMOTE CONTROL ASS'Y	1	
A1-1	UR77EC2003A	BATTERY COVER	1	
A2	K2KA6CA00001	AV CORD	1	
A3	RJA0053-3X	AC CORD	1	EB ⚠
A3	VJA0664	AC CORD	1	K2CR2DA00004 EG ⚠
A4	VJA1089	RF COAXIAL CABLE	1	K1TWACC00001
A5	RPQF0254	ACCESSORY CASE	1	
A8	RPF0378	POLYETHYLENE BAG(F.B.)	1	
A9	RPQ1594	PAD	1	
A10	RQCA1073	DISC CAUTION SHEET	1	EG
A10	RQCA1110	DISC CAUTION SHEET	1	EB
A11	RQCC2041	DVD MEDIA SHEET	1	
A12	VQT0H79	OPERATING INSTRUCTIONS	1	<IA>EG ⚠
A12	VQT0H80	OPERATING INSTRUCTIONS	1	<IB>EG ⚠
A12	VQT0H81	OPERATING INSTRUCTIONS	1	<IC>EG ⚠
A12	VQT0H82	OPERATING INSTRUCTIONS	1	<ID>EG ⚠
A12	VQT0H83	OPERATING INSTRUCTIONS	1	<IE>EB ⚠
A12	VQT0K43	OPERATING INSTRUCTIONS	1	<IF>EG ⚠
A12	VQT0K44	OPERATING INSTRUCTIONS	1	<IG>EG ⚠
A12	VQT0K45	OPERATING INSTRUCTIONS	1	<IH>EG ⚠

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
A13	VQC4663	SETUP GUIDE	1	EB
A14	VQC4901	REMOTE CONT.SHEET	1	
PC1	RPG7122	PACKING CASE	1	EG
PC1	RPG7124	PACKING CASE	1	EB
PC2	RPN1705A	CUSHION(L)	1	EB
PC2	RPN1735A	CUSHION(L)	1	EG
PC3	RPN1705B	CUSHION(R)	1	EB
PC3	RPN1735B	CUSHION(R)	1	EG
PC4	VPF0505	POLYETHYLENE BAG(UNIT)	1	
■	02	VEP06F79A/B		(MAIN P.C.B.)
C2001	ECJ1VC1H330J	50V 33P	1	
C2003	ECJ1VF1A105Z	10V 1U	1	
C2051	ECEA0JKN220	6.3V 22U	1	
C2053	F2A1V100A184	35V 10U	1	
C2054	ECJ1VB1H392K	50V 3900P	1	
C2055	ECJ1VF1C104Z	16V 0.1U	1	
C2099	ECJ1XC1H681J	50V 680	1	ECJ1VC1H681J
C2501	ECJ1VF1C104Z	16V 0.1U	1	
C2502	F2A0J221A245	6.3V 220U	1	
C2504,05	ECJ1VB1E223K	25V 0.022U	2	
C2506	ECJ1VB1A224K	10V 0.22U	1	
C2507	ECJ1VB1H102K	50V 1000P	1	
C2508	ECJ1VB1H182K	50V 1800P	1	
C2509	ECEA1CKA220	16V 22U	1	
C2510-12	ECJ1XB1C104K	16V 0.1U	3	
C2513	ECJ1VF1A105Z	10V 1U	1	
C2515	ECJ1VF1H103Z	50V 0.01U	1	
C2518,19	ECJ1VF1H103Z	50V 0.01U	2	
C2551,52	ECJ1VB1C563K	16V 0.056U	2	
C2561,62	ECJ1VB1C563K	16V 0.056U	2	
C2571	ECA1EM221	25V 220U	1	
C3001	ECJ1VC1H151J	50V 150P	1	
C3003	ECJ1VB0J105K	6.3V 1U	1	
C3004	ECJ1XB1C104K	16V 0.1U	1	
C3005	ECJ1VC1H270J	50V 27P	1	
C3006	ECJ1XB1C104K	16V 0.1U	1	
C3007,08	ECJ1VB0J105K	6.3V 1U	2	
C3009	ECEA1HKA4R7	50V 4.7U	1	
C3010	ECJ1VB0J105K	6.3V 1U	1	
C3011	ECJ1VF1H103Z	50V 0.01U	1	
C3012	ECEA0JKS470	6.3V 47U	1	
C3013	ECJ1VF1H103Z	50V 0.01U	1	
C3015	ECJ1XB1C104K	16V 0.1U	1	
C3016	ECJ1VC1H470J	50V 47P	1	
C3017	ECJ1VB0J105K	6.3V 1U	1	
C3018	ECJ1XB1C104K	16V 0.1U	1	
C3019	ECEA1CKS100	16V 10U	1	
C3020	ECJ1VC1H331J	50V 330P	1	
C3021	ECJ1VF1H103Z	50V 0.01U	1	
C3023	ECEA1HKS3R3	50V 3.3U	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3024	ECJ1VB1H103K	50V 0.01U	1	
C3026	ECJ1VB0J105K	6.3V 1U	1	
C3027-30	ECJ1XB1C104K	16V 0.1U	4	
C3033	ECJ1XB1C104K	16V 0.1U	1	
C3034	ECEA1HKS010	50V 1U	1	
C3036	ECEA1HKA4R7	50V 4.7U	1	
C3037	ECEA1HKAR47B	50V 0.47U	1	
C3038	ECJ1VB1E223K	25V 0.022U	1	
C3039	ECJ1VB1C333K	16V 0.033U	1	
C3040	ECEA1HKS2R2	50V 2.2U	1	
C3041	ECJ1VB1E223K	25V 0.022U	1	
C3042	ECJ2FB0J335K	6.3V 3.3U	1	
C3043	ECJ1XB1C104K	16V 0.1U	1	
C3044	ECEA0JKS470	6.3V 47U	1	
C3045	ECJ1VF1H103Z	50V 0.01U	1	
C3046	ECJ1VC1H030C	50V 3P	1	
C3047	ECEA1HKS010	50V 1U	1	
C3048,49	ECJ1VF1H103Z	50V 0.01U	2	
C3050	ECJ1VF1A105Z	10V 1U	1	
C3051	ECJ1VB1A105K	10V 1U	1	
C3052	ECJ1VB0J105K	6.3V 1U	1	
C3053	ECJ1XB1C104K	16V 0.1U	1	
C3056	ECJ1VC1H100C	50V 10P	1	
C3080	ECJ1VB1H103K	50V 0.01U	1	
C3501	ECJ2YB0J475K	6.3V 4.7U	1	F1J0J4750004
C3502	ECJ1XB1C104K	16V 0.1U	1	
C3503	ECJ2YB0J475K	6.3V 4.7U	1	F1J0J4750004
C3504	F1H1H271A832	50V 270	1	
C3505,06	ECJ2YB0J475K	6.3V 4.7U	2	F1J0J4750004
C3507	ECEA0JKS470	6.3V 47U	1	
C3508	ECJ1VF1C104Z	16V 0.1U	1	
C3509	ECJ2YB0J475K	6.3V 4.7U	1	F1J0J4750004
C3510	F1H1H8200004	50V 82	1	
C3511,12	F1H1H271A832	50V 270	2	
C3513	F1H1H221A832	50V 220	1	
C3514	ECJ2YB0J475K	6.3V 4.7U	1	F1J0J4750004
C3515	ECJ1VC1H220J	50V 22P	1	
C3516,17	ECJ1VC1H560J	50V 56P	2	
C3518	ECJ1VC1H220J	50V 22P	1	
C3901	ECJ1VF1C104Z	16V 0.1U	1	
C3902	ECEA1CKS100	16V 10U	1	
C3903	ECEA1CKA470	16V 47U	1	
C3904	ECJ1VB1A105K	10V 1U	1	
C3905	ECJ1VB0J105K	6.3V 1U	1	
C3906	ECJ1XB1C104K	16V 0.1U	1	
C3907	ECEA0JKS470	6.3V 47U	1	
C3908,09	ECJ1VC1H470J	50V 47P	2	
C3910,11	ECJ1VC1H471J	50V 470P	2	
C3912,13	ECJ1VC1H101J	50V 100P	2	
C3914,15	ECJ1VC1H470J	50V 47P	2	
C3916,17	ECJ1VC1H101J	50V 100P	2	
C3918,19	ECJ1VC1H471J	50V 470P	2	
C3920,21	ECA1HAK010XI	50V 1U	2	
C3922	ECJ1VB1H103K	50V 0.01U	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3923	ECA1CAK101XB	16V 100U	1	
C3924	ECJ1VB1H103K	50V 0.01U	1	
C3925	F2A1C101A243	16VF 100U	1	
C3926	ECJ1VF1C104Z	16V 0.1U	1	
C3927	ECJ1VB1H103K	50V 0.01U	1	
C3928,29	ECA1CAK100XB	16V 10U	2	
C3930-33	ECA1HAK010XI	50V 1U	4	
C3934,35	ECA1CAK100XB	16V 10U	2	
C3936	ECA0JAK331X	6.3V 330U	1	
C3937	ECJ1VB1H103K	50V 0.01U	1	
C3938	ECJ1XB1C104K	16V 0.1U	1	
C3939	F2A1A331A211	10V 330U	1	
C3940	ECJ1VB1H103K	50V 0.01U	1	
C3941	ECEA1CKS100	16V 10U	1	
C3945	ECJ1VF1C104Z	16V 0.1U	1	
C3946	ECJ1XB1C104K	16V 0.1U	1	
C3947,48	ECJ1VB0J105K	6.3V 1U	2	
C4001,02	ECEA1CKS100	16V 10U	2	
C4003	ECEA1HKS010	50V 1U	1	
C4004	ECEA1CKS100	16V 10U	1	
C4005	ECEA0JKS101	6.3V 100U	1	
C4007	ECJ1VB1H222K	50V 2200P	1	
C4008	ECJ1VB1H182K	50V 1800P	1	
C4009	ECEA0JKS220	6.3V 22U	1	
C4010	ECEA1EKS4R7	25V 4.7U	1	
C4011	ECEA0JKS470	6.3V 47U	1	
C4012	ECJ1VF1H103Z	50V 0.01U	1	
C4014	ECEA1HKA4R7	50V 4.7U	1	
C4015	ECJ1VB1H682K	50V 6800P	1	
C4016	ECEA0JKS220	6.3V 22U	1	
C4017	ECEA1HKS3R3	50V 3.3U	1	
C4018	ECJ1VB1H182K	50V 1800P	1	
C4020	ECQB1H223JF	50V 0.022U	1	
C4021	ECJ1VC1H221J	50V 220P	1	
C4022	ECEA1AKS470	10V 47U	1	
C4023	ECJ1VB1E223K	25V 0.022U	1	
C4024	ECJ1VB1H152K	50V 1500P	1	
C4501-03	ECEA1CKS100	16V 10U	3	
C4504	ECQB1H473JF3	50V 0.047U	1	
C4505	ECEA1AKS330	10V 33U	1	
C4508	ECEA1CKS100	16V 10U	1	
C4509	ECEA1CKS220	16V 22U	1	
C4510	ECQB1H153JF3	50V 0.015U	1	
C4511	ECJ1VB1C333K	16V 0.033U	1	
C4512,13	ECJ1VB1H103K	50V 0.01U	2	
C4515	ECJ1VF1C104Z	16V 0.1U	1	
C4516	ECJ1XB1C104K	16V 0.1U	1	
C4518	ECJ1VB1A224K	10V 0.22U	1	
C4519	ECQB1H153JF3	50V 0.015U	1	
C4520	ECEA0JKS220	6.3V 22U	1	
C4521	ECEA1CKS100	16V 10U	1	
C4522	ECEA1AKS330	10V 33U	1	
C4523	ECQB1H473JF3	50V 0.047U	1	
C4524	ECEA0JKS101	6.3V 100U	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4526	ECEA1CKS100	16V 10U	1	
C4529,30	ECEA1CKS100	16V 10U	2	
C4531	ECEA1CKA470	16V 47U	1	
C4533	ECJ1VF1H103Z	50V 0.01U	1	
C4534	ECJ1XB1C104K	16V 0.1U	1	
C4544	ECJ1VF1H103Z	50V 0.01U	1	
C4545	ECEA0JKS220	6.3V 22U	1	
C4546	ECJ1VF1H103Z	50V 0.01U	1	
C4547	ECEA1EKS4R7	25V 4.7U	1	
C4549	ECEA1CKS100	16V 10U	1	EB
C5001-04	ECJ1VB1H103K	50V 0.01U	4	
C5005	ECJ1VF1C104Z	16V 0.1U	1	
C5006	ECEA0JKS470	6.3V 47U	1	
C5007	ECJ1XB1C104K	16V 0.1U	1	
C6001	ECJ1VC1H180J	50V 18P	1	
C6002	ECJ1VC1H220J	50V 22P	1	
C6003	ECJ1VC1H180J	50V 18P	1	
C6004	ECJ1VC1H220J	50V 22P	1	
C6005	ECEA1CKS100	16V 10U	1	
C6006	ECJ1XB1C104K	16V 0.1U	1	
C6007	ECEA1AKS221	10V 220U	1	
C6008	ECJ1VC1H471J	50V 470P	1	
C6009-12	ECJ1VF1H103Z	50V 0.01U	4	
C6013	ECJ1VF1A105Z	10V 1U	1	
C6015	ECJ1VB1C333K	16V 0.033U	1	
C6016	ECJ1VB1H102K	50V 1000P	1	
C6017	ECJ1VC1H561J	50V 560P	1	
C6018	ECJ1VC1H330J	50V 33P	1	EG
C6019	ECJ1VF1C104Z	16V 0.1U	1	
C6027	ECJ1VB1C333K	16V 0.033U	1	
C6028	ECJ1VB1H222K	50V 2200P	1	
C6029	ECJ1VF1C474Z	16V 0.47U	1	
C6030	ECJ1VC1H151J	50V 150P	1	
C6031	ECJ1VF1C104Z	16V 0.1U	1	
C6032	ECEA0JKS470	6.3V 47U	1	
C6101	ECJ2XF1H104Z	50V 0.1U	1	
C6103	ECJ1VF1H103Z	50V 0.01U	1	
C6111	ECJ1VF1C104Z	16V 0.1U	1	
C6112,13	ECJ1VC1H220J	50V 22P	2	
C6201	ECJ1VB1H682K	50V 6800P	1	
C6302	ECJ1VF1H103Z	50V 0.01U	1	
C6303	ECEA0JKA470	6.3V 47U	1	
C6308	ECEA0JKA470	6.3V 47U	1	
C7401	ECJ1VB0J105K	6.3V 1U	1	
C7402	ECJ1VF1C104Z	16V 0.1U	1	
C7403	ECJ2YB1A105K	10V 1U	1	
C7404	ECJ1VB0J105K	6.3V 1U	1	
C7405,06	ECJ1VF1C104Z	16V 0.1U	2	
C7407	ECJ2YB1A105K	10V 1U	1	
C7412,13	ECJ1VC1H330J	50V 33P	2	
C7414	ECEA0JKS470	6.3V 47U	1	
C7415	ECEA1HKS010	50V 1U	1	
C7417	ECEA0JKS101	6.3V 100U	1	
C7418	ECJ1VF1H103Z	50V 0.01U	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C7422	ECJ1VF1H103Z	50V 0.01U	1	
C7424	ECEA1HKS010	50V 1U	1	
C7425	ECEA0JKS470	6.3V 47U	1	
C7426	ECJ1VF1H103Z	50V 0.01U	1	
C7427	ECJ1VC1H471J	50V 470P	1	EG
C7428	ECEA0JKS470	6.3V 47U	1	
C7430	ECEA0JKS470	6.3V 47U	1	
C7431,32	ECJ1VF1H103Z	50V 0.01U	2	EB
C7432	ERJ3GEY0R00V	1/10W 0	1	EG
C7433	ECEA0JKS470	6.3V 47U	1	EB
C7434	ECJ1VF1H103Z	50V 0.01U	1	
C7435	ECEA0JKS470	6.3V 47U	1	
C7437-39	ERJ3GEY0R00V	1/10W 0	3	
C7442,43	ECJ1VC1H330J	50V 33P	2	
C7445	ECEA0JKS101	6.3V 100U	1	
C7446	ECJ1VF1H103Z	50V 0.01U	1	
C7448	ECJ1VF1H103Z	50V 0.01U	1	
C7449	ECEA0JKS470	6.3V 47U	1	
C7450	ECJ1VF1H103Z	50V 0.01U	1	
C7452	ECEA0JKS470	6.3V 47U	1	
C7454	ECJ1VB0J105K	6.3V 1U	1	
C7455,56	ECJ1VF1C104Z	16V 0.1U	2	
C7457	ECJ2YB1A105K	10V 1U	1	
C7465,66	ECJ1VC1H471J	50V 470P	2	
C7476,77	ECJ1VC1H471J	50V 470P	2	
C7701	VCE0073-T	CAPACITOR	1	F4D55473A005
C7752	ECEA1AKS221	10V 220U	1	
C7901	ECJ1VF1H103Z	50V 0.01U	1	
C7902	F2A1H100A146	50V 10U	1	
C7903	ECJ1VF1H104Z	50V 0.1U	1	
C7904	ECJ1XB1C104K	16V 0.1U	1	
C7905	F2A1C221A019	16V 220U	1	
C7906	ECQB1H473JF3	50V 0.047U	1	
C7907	F2A1A1010072	10V 100U	1	
C7908	ECQB1H103JZ	50V 0.01U	1	
C7909,10	F2A1H5600009	50V 56U	2	
C23001	ECJ1VB0J105K	6.3V 1U	1	
C23002	ECEA0JKN470	6.3V 47U	1	
C23005	ECJ1XB1C104K	16V 0.1U	1	
C23006	ECJ1VB1C333K	16V 0.033U	1	
C23007	ECJ1XB1C104K	16V 0.1U	1	
C23008-11	ECJ1VB1H103K	50V 0.01U	4	
C23013-15	ECJ1VB1H103K	50V 0.01U	3	
C23016	ECJ1VF1H103Z	50V 0.01U	1	
C23017	ECJ1VB1H103K	50V 0.01U	1	
C23018	ECEA0JKS470	6.3V 47U	1	
C23022	ECA0JM102	6.3V 1000U	1	
C23023	ECEA0JKS101	6.3V 100U	1	
C23024	ECA0JM102	6.3V 1000U	1	
C23025	ECEA0JKS101	6.3V 100U	1	
C23026	ECA0JM102	6.3V 1000U	1	
C23027,28	ECEA0JKS101	6.3V 100U	2	
C23029	ECA0JM102	6.3V 1000U	1	
C23030	ECEA0JKS101	6.3V 100U	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C23031	ECA0JM102	6.3V 1000U	1	
C23034	ECJ1VB1H103K	50V 0.01U	1	
C23035,36	ECEA0JKS220	6.3V 22U	2	
C23043	ECJ1VB1H103K	50V 0.01U	1	
C23044	ECEA0JKS470	6.3V 47U	1	
C23056	ECJ1VF1H103Z	50V 0.01U	1	
C23057	ECJ1XB1C104K	16V 0.1U	1	
C23061-63	ECEA0JKS470	6.3V 47U	3	
C23901,02	ECJ1VC1H470J	50V 47P	2	
C23903,04	ECJ1VC1H471J	50V 470P	2	
C23905	ECA0JM471G	6.3V 470U	1	
C23917	ECJ1VF1H103Z	50V 0.01U	1	
C24039,40	ECJ1VC1H102J	50V 1000P	2	
C24903	F2A0J470A179	6.3V 47U	1	
C24904	ECJ1VF1C104Z	16V 0.1U	1	
C24906	ECJ1VC1H220J	50V 22P	1	
C37501,02	ECJ1VC1H221J	50V 220P	2	
D1501	B3EA00000072	LED	1	
D2001,02	1SS254	DIODE	2	B0AAED000003
D2501	ERA15-02	DIODE	1	B0EAKM000016
D2502	MAZ4160NMF	DIODE	1	
D3001	1SS254	DIODE	1	B0AAED000003
D3501	1SS254	DIODE	1	B0AAED000003
D3901	MA3Z142D0RG	DIODE	1	
D3906	1SS254	DIODE	1	B0AAED000003
D4501	1SS254	DIODE	1	B0AAED000003
D4502	MAZ4056NHF	DIODE	1	
D4503	MAZ4130NLF	DIODE	1	
D6306	MAZ4056NHF	DIODE	1	
D6401	1SS254	DIODE	1	B0AAED000003
D7401,02	MA4300N-M	DIODE	2	MAZ4300NM
D7751	B0JACE000001	DIODE	1	
D7901	MAZ4220NMF	DIODE	1	
D7902	B0AAGM000003	DIODE	1	B0AAGM000007
D7903	B0JAME000025	DIODE	1	⚠
D7904,05	MA2C18500E	DIODE	2	
D7906	MA4300N-M	DIODE	1	MAZ4300NM
D24001	MA3Z142D0RG	DIODE	1	
D37402	1SS355	DIODE	1	B0ACCK000005
IC1511,12	B3NAA0000049	IC	2	
IC2501	C1AB00001767	IC	1	
IC3001	C1AB00001839	IC	1	
IC3002	C0CBCDD00007	IC	1	
IC3501	C1AB00001681	IC	1	
IC3502	AN3293S-T1	IC	1	
IC3901	C0DBZJE00003	IC	1	
IC3902	C0CBCDD00006	IC	1	
IC3903	C1AB00001776	IC	1	
IC3904	C1AB00001935	IC	1	
IC4501	AN3656NFBPBV	IC	1	
IC6001	C2CBJG000369	IC	1	
IC6003	M24C16-WBN6	IC	1	C3EAGC000015

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC6004	C1AB00001293	IC	1	
IC6201	C0EBH0000172	IC	1	
IC6202	C0EBE0000348	IC	1	
IC6302	C0CBCDC00020	IC	1	
IC7401,02	C0CBCDD00006	IC	2	
IC7405	C0CBCDD00006	IC	1	
IC23001	C1AB00001918	IC	1	
J1	VEE0U97	EARTH WIRE	1	
JK3901	K2HZ242B0002	JACK,AV1.AV2	1	
JK3903	K1U407B00003	JACK,DVD OUT	1	
JK23902	K2HZ105B0005	JACK,S-VIDEO	1	
JK24302	VJJ0675	JACK,VHS/DVD COMMON OUT	1	K2HA612B0027
K3001	ERJ3GEY0R00V	1/10W 0	1	
K4007	ERJ3GEY0R00V	1/10W 0	1	
K23091,92	ERJ3GEY0R00V	1/10W 0	2	
K23095	ERJ3GEY0R00V	1/10W 0	1	
L3001	VLQ0599J820	COIL 82UH	1	G0C820JA0026
L3002	VLQ0599J270	COIL 27UH	1	G0C270JA0026
L3003	VLQ0599J390T	COIL 39UH	1	G0C390JA0019
L3004	VLQ0599J680	COIL 68UH	1	G0C680JA0026
L3006	VLQ0599J270	COIL 27UH	1	G0C270JA0026
L3007	ELJFA120KF	COIL	1	
L3008	VLQ0599J680	COIL 68UH	1	G0C680JA0026
L3501	VLQ0599J560	COIL 56UH	1	G0C560JA0026
L3502-04	G0C330JA0019	COIL 33UH	3	
L4001	ELESN471KA	COIL 470UH	1	
L4502	G0C1R2J00004	COIL 1.2UH	1	
L5001	VLQ0599J680	COIL 68UH	1	G0C680JA0026
L6001	G0C330JA0019	COIL 33UH	1	EG
L6003	VLQ0599J680	COIL 68UH	1	G0C680JA0026
L6004	VLQ0599J1R5	COIL 1.5UH	1	G0C1R5JA0026
L6006	VLQ0599J680	COIL 68UH	1	G0C680JA0026
L7401	G0C2R2JA0019	COIL 2.2UH	1	
L7403	VLQ0599J270	COIL 27UH	1	G0C270JA0026 EB
L7404	G0C2R2JA0019	COIL 2.2UH	1	
L7901	ELELN101KA	COIL	1	
L24901	ELESE220KA	COIL 22UH	1	
LB3901-05	J0JBC0000041	COIL	5	
LB3906-08	J0JGC0000020	COIL	3	
LB4001	ERJ3GEY0R00V	1/10W 0	1	
LB4002,03	J0JBC0000070	COIL	2	
LB7401-05	J0JHC0000032	COIL	5	
LB7406	ERJ3GEY0R00V	1/10W 0	1	
LB7407,08	J0JHC0000032	COIL	2	EB
LB7409	ERJ3GEY0R00V	1/10W 0	1	
LB7410,11	J0JHC0000032	COIL	2	
LB7412,13	ERJ3GEY0R00V	1/10W 0	2	
LB7414	J0JHC0000032	COIL	1	EB
LB7415	ERJ3GEY0R00V	1/10W 0	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
LB7416,17	J0JHC0000032	COIL	2	
LB7901	J0JKB0000028	COIL	1	J0JKB0000027
LB23001,02	J0JHC0000032	COIL	2	
LB23901-03	ERJ3GEY0R00V	1/10W 0	3	
LB23908-10	ERJ6GEY0R00V	1/8W 0	3	
LB23912	ERJ3GEY0R00V	1/10W 0	1	
LB23914	ERJ3GEY0R00V	1/10W 0	1	
LB23917,18	ERJ3GEY0R00V	1/10W 0	2	
LB29316	ERJ3GEY0R00V	1/10W 0	1	
P1531	K1KA02A00375	CONNECTOR(2P)	1	
P2501	VJS3537E007G	CONNECTOR(7P)	1	K1MN07A00019
P2571	K1KA08A00290	CONNECTOR(8P)	1	
P4001	K1MZ02A00003	CONNECTOR(2P)	1	
P4002	VJS3537A006G	CONNECTOR(FEMALE) 6P	1	K1MN06A00034
P4501-03	VJP3186A018W	CONNECTOR(MALE)18P	3	K1KA18A00046
P5001	VJS3537A009G	CONNECTOR(FEMALE) 9P	1	K1MN09A00012
P6001	K1KB13A00020	CONNECTOR(13P)	1	
P6002,03	VJS4357A019B	CONNECTOR(19P)	2	
P6004	K1KB13A00020	CONNECTOR(13P)	1	
P6005	K1KB07A00019	CONNECTOR(7P)	1	
P6601	K1KB08B00043	CONNECTOR(8P)	1	
PS33001	K1KB12B00040	CONNECTOR(FEMALE) 12P	1	
Q1501,02	PNB2302M01VT	TRANSISTOR	2	
Q3001,02	2SD1819AWL	TRANSISTOR	2	
Q3501	2SB1218A	TRANSISTOR	1	
Q3502	2SD1819AWL	TRANSISTOR	1	
Q3901	2SD1819AWL	TRANSISTOR	1	
Q3902	2SB1218A	TRANSISTOR	1	
Q3903,04	2SD132800L	TRANSISTOR	2	
Q3905	2SB1218A	TRANSISTOR	1	
Q3906	2SB710AQRSTX	TRANSISTOR	1	2SB0710AWL
Q3907	2SD132800L	TRANSISTOR	1	
Q4001	2SD1149	TRANSISTOR	1	
Q4002	2SD1819AWL	TRANSISTOR	1	
Q4003	2SD602A-R	TRANSISTOR	1	2SD0602AR
Q4004	2SB710AQRSTX	TRANSISTOR	1	2SB0710AWL
Q4501,02	B1AAGD000006	TRANSISTOR	2	
Q6001,02	2SB1218A	TRANSISTOR	2	
Q6003	2SD1819AWL	TRANSISTOR	1	
Q6004	2SB1218A	TRANSISTOR	1	
Q6305	2SD0601A	TRANSISTOR	1	
Q6401	2SD1819AWL	TRANSISTOR	1	
Q7401,02	2SD1819AWL	TRANSISTOR	2	EG
Q7403	2SB1218A	TRANSISTOR	1	
Q7901	2SD2177-S	TRANSISTOR	1	2SD21770SA
Q7902	2SD1819AWL	TRANSISTOR	1	
Q23001	2SB1218A	TRANSISTOR	1	
Q24002,03	2SD132800L	TRANSISTOR	2	
Q37501,02	2SD1819AWL	TRANSISTOR	2	
Q37513	2SD1819AWL	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
QR3001	UN5213TX	TRANSISTOR	1	UNR521300L
QR3002,03	UN5212TX	TRANSISTOR	2	UNR521200L
QR3004	UN5211	TRANSISTOR	1	UNR5211
QR3005	UN5212TX	TRANSISTOR	1	UNR521200L
QR3501	UN5211	TRANSISTOR	1	UNR5211
QR3701	UNR511100L	TRANSISTOR	1	
QR3901,02	UN5213TX	TRANSISTOR	2	UNR521300L
QR3903	UN5211	TRANSISTOR	1	UNR5211
QR3908	UN5212TX	TRANSISTOR	1	UNR521200L
QR3913	UN5212TX	TRANSISTOR	1	UNR521200L
QR4003	UN5211	TRANSISTOR	1	UNR5211
QR4004	UNR511100L	TRANSISTOR	1	
QR4005	UN5213TX	TRANSISTOR	1	UNR521300L
QR4501,02	UN5113TW	TRANSISTOR	2	EB
QR4503	XN0121600L	TRANSISTOR	1	
QR4504	UNR521600L	TRANSISTOR	1	EB
QR6402,03	UN5215TX	TRANSISTOR	2	UNR521500L
QR7401,02	UN5112	TRANSISTOR	2	UNR5112 EG
QR23901	UN5113TW	TRANSISTOR	1	
QR23902,03	UNR521600L	TRANSISTOR	2	
R1501,02	ERJ3GEYJ273V	1/10W 27K	2	D0GB273JA002
R1503	ERDS2FJ151	1/4W 150	1	
R1511,12	ERJ3GEYJ273V	1/10W 27K	2	D0GB273JA002
R1513	ERJ6GEYJ121V	1/8W 120	1	D0GD121JA003
R2001	ERJ3GEYJ392V	1/10W 3.9K	1	
R2002	ERJ3GEYJ105V	1/10W 1M	1	
R2099	ERJ3GEYJ682V	1/10W 6.8K	1	D0GB682JA002
R2501	ERJ6GEYJ1R2V	1/8W 1.2	1	
R2502	ERJ6GEYJ1R5V	1/8W 1.5	1	
R2503	ERDS2FJ182	1/4W 1.8K	1	
R2514-16	ERJ3GEYJ221V	1/10W 220	3	
R2520	ERJ3GEYJ183V	1/10W 18K	1	D0GB183JA002
R2521	ERJ3GEYJ102V	1/10W 1K	1	
R2551,52	ERJ3GEYJ103V	1/10W 10K	2	D0GB103JA002
R2561	ERJ3GEYJ102V	1/10W 1K	1	
R2562	ERJ3GEYJ473V	1/10W 47K	1	D0GB473JA002
R2563	ERJ3GEYJ102V	1/10W 1K	1	
R2564,65	ERJ3GEYJ101	1/10W 100	2	D0GB101JA002
R3001	ERJ3GEYJ152V	1/10W 1.5K	1	
R3002	ERJ3GEYJ622V	1/10W 6.2K	1	
R3003	ERJ3GEYJ562V	1/10W 5.6K	1	D0GB562JA002
R3004	ERJ3GEYJ151V	1/10W 150	1	
R3005	ERJ3GEYJ122	1/10W 1.2K	1	
R3006	ERJ3GEYJ331V	1/10W 330U	1	
R3007	ERJ3GEYJ101	1/10W 100	1	D0GB101JA002
R3008	ERJ3GEYJ106	1/10W 10M	1	
R3009	ERJ3GEY0R00V	1/10W 0	1	
R3010	ERJ3GEYD153V	1/10W 15K	1	D0HB153ZA002
R3011	ERJ3GEYJ151V	1/10W 150	1	
R3013,14	ERJ3GEYJ101	1/10W 100	2	D0GB101JA002
R3015	ERJ3GEYJ273V	1/10W 27K	1	D0GB273JA002
R3016	ERJ3GEYJ471V	1/10W 470	1	
R3017	ERJ3GEYJ332V	1/10W 3.3K	1	D0GB332JA002

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3020	ERJ3GEYJ332V	1/10W 3.3K	1	D0GB332JA002
R3021	ERJ3GEYJ102V	1/10W 1K	1	
R3022	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R3024	ERJ3GEYJ682V	1/10W 6.8K	1	D0GB682JA002
R3025	ERJ3GEYJ102V	1/10W 1K	1	
R3501	ERJ3GEYF561V	1/10W 560	1	
R3502	ERJ3GEYF102	1/10W 1K	1	
R3503	ERJ3GEYJ102V	1/10W 1K	1	
R3504	ERJ3GEYJ332V	1/10W 3.3K	1	D0GB332JA002
R3505	ERJ3GEYJ122	1/10W 1.2K	1	
R3506,07	ERJ3GEYF122V	1/10W 1.2K	2	
R3508	ERJ3GEYJ394V	1/10W 390K	1	
R3509	ERJ3GEYF102	1/10W 1K	1	
R3510	ERJ3GEYF471	1/10W 470	1	
R3511,12	ERJ3GEYF332V	1/10W 3.3K	2	
R3513	ERJ3RBD152V	1/10W 1.5K	1	
R3514	ERJ3GEYF102	1/10W 1K	1	
R3515	ERJ3GEYF122V	1/10W 1.2K	1	
R3516	ERJ3GEYF102	1/10W 1K	1	
R3901,02	ERJ3GEYJ103V	1/10W 10K	2	D0GB103JA002
R3903	ERJ3GEYJ223V	1/10W 22K	1	D0GB223JA002
R3904	ERJ3GEYJ273V	1/10W 27K	1	D0GB273JA002
R3905	ERJ3GEYJ102V	1/10W 1K	1	
R3906,07	ERJ3GEYJ103V	1/10W 10K	2	D0GB103JA002
R3908,09	ERJ3GEYJ821V	1/10W 820	2	
R3910,11	ERJ3GEYJ104	1/10W 100K	2	
R3912	ERJ3GEYJ473V	1/10W 47K	1	D0GB473JA002
R3913,14	ERJ3GEYJ102V	1/10W 1K	2	
R3915	ERJ3GEYJ473V	1/10W 47K	1	D0GB473JA002
R3916-19	ERJ6ENF75R0	1/8W 75	4	
R3920,21	ERJ6GEYJ471V	1/8W 470	2	
R3922	ERDS2FJ471	1/4W 470	1	
R3923	ERJ3GEYJ473V	1/10W 47K	1	D0GB473JA002
R3924,25	ERJ3GEYJ102V	1/10W 1K	2	
R3926	ERJ3GEYJ473V	1/10W 47K	1	D0GB473JA002
R3927,28	ERJ6ENF75R0	1/8W 75	2	
R3929,30	ERJ6GEYJ471V	1/8W 470	2	
R3931-33	ERJ3RED750V	1/16W 75	3	
R3934,35	ERJ3GEYJ103V	1/10W 10K	2	D0GB103JA002
R3936	ERJ6RBD153	1/10W 15K	1	
R3937,38	ERJ6RBD471	1/10W 470	2	
R3939,40	ERJ3GEYJ222V	1/10W 2.2K	2	D0GB222JA002
R3941,42	ERJ3GEYJ101	1/10W 100	2	D0GB101JA002
R3943-46	ERJ6GEYJ471V	1/8W 470	4	
R3947	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R3948	ERJ6ENF75R0	1/8W 75	1	
R3950	ERJ3GEYJ680	1/10W 68	1	ERJ3GEYJ680V
R3951	ERJ3GEYD153V	1/10W 15K	1	D0HB153ZA002
R3953	ERJ3GEYJ223V	1/10W 22K	1	D0GB223JA002
R3962	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R3967	ERJ3GEYJ152V	1/10W 1.5K	1	
R3969	ERJ3GEYJ332V	1/10W 3.3K	1	D0GB332JA002
R4001	ERJ3GEYJ152V	1/10W 1.5K	1	
R4002	ERJ3GEYD153V	1/10W 15K	1	D0HB153ZA002

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4003	ERJ3GEYJ302V	1/10W 3K	1	
R4004	ERJ3GEYJ472V	1/10W 4.7K	1	
R4006	ERJ3GEYJ332V	1/10W 3.3K	1	D0GB332JA002
R4007	ERJ3GEYJ104	1/10W 100K	1	
R4008	ERJ3GEYD153V	1/10W 15K	1	D0HB153ZA002
R4009	ERJ3GEYJ271V	1/10W 270	1	
R4011	ERJ3GEYJ203	1/10W 20K	1	
R4012	ERJ3GEYJ474V	1/10W 470K	1	
R4013	ERJ3GEYD153V	1/10W 15K	1	D0HB153ZA002
R4014	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R4015	ERJ3GEYJ332V	1/10W 3.3K	1	D0GB332JA002
R4016,17	ERJ3GEYJ222V	1/10W 2.2K	2	D0GB222JA002
R4018,19	ERJ3GEYJ102V	1/10W 1K	2	
R4501,02	ERJ3GEYJ563V	1/10W 56K	2	
R4503,04	ERJ3GEYJ223V	1/10W 22K	2	D0GB223JA002
R4505,06	ERJ3GEYJ432V	1/10W 4.3K	2	
R4507	ERJ3GEYJ912V	1/10W 9.1K	1	
R4508,09	ERJ3GEYJ432V	1/10W 4.3K	2	
R4510	ERJ3GEYJ912V	1/10W 9.1K	1	
R4511,12	ERJ3GEYJ432V	1/10W 4.3K	2	
R4513-16	ERJ3GEYJ563V	1/10W 56K	4	
R4517	ERJ3GEYJ511	1/10W 510	1	
R4518	ERJ3GEYJ472V	1/10W 4.7K	1	
R4519	ERJ3GEYJ221V	1/10W 220	1	EB
R4520	ERJ3GEY0R00V	1/10W 0	1	
R4521	ERJ3GEYJ124V	1/10W 120K	1	D0GB124JA002
R4522	ERJ3GEYJ472V	1/10W 4.7K	1	
R4523	ERJ3GEYJ511	1/10W 510	1	
R4524	ERJ3GEYJ102V	1/10W 1K	1	
R4525	ERJ3GEYJ303V	1/10W 30K	1	
R4526-28	ERJ3GEYJ102V	1/10W 1K	3	
R4530	ERJ3GEYJ472V	1/10W 4.7K	1	
R4531	ERJ3GEYJ102V	1/10W 1K	1	
R4532	ERJ3GEYJ681V	1/10W 680	1	D0GB681JA002
R4554	ERJ3GEYJ683V	1/10W 68K	1	D0GB683JA002
R4555	ERDS2FJ821	1/4W 820	1	
R4556	ERDS2FJ103	1/4W 10K	1	
R4557	ERJ3GEYJ472V	1/10W 4.7K	1	
R4558	ERJ3GEYJ683V	1/10W 68K	1	D0GB683JA002
R4559	ERJ3GEYJ393V	1/10W 39K	1	D0GB393JA002
R4560	ERJ3GEYJ682V	1/10W 6.8K	1	D0GB682JA002
R6001,02	ERJ3GEYJ102V	1/10W 1K	2	
R6003	ERJ3GEYJ223V	1/10W 22K	1	D0GB223JA002
R6004	ERJ3GEYD433V	1/10W 43K	1	ERA3YKD433V
R6005	ERJ3GEYJ472V	1/10W 4.7K	1	
R6006	ERJ3GEYJ273V	1/10W 27K	1	D0GB273JA002
R6007	ERJ3GEYJ183V	1/10W 18K	1	D0GB183JA002
R6008	ERJ3GEYJ222V	1/10W 2.2K	1	D0GB222JA002
R6009	ERJ3GEYJ101	1/10W 100	1	D0GB101JA002
R6010	ERJ3GEYJ393V	1/10W 39K	1	D0GB393JA002
R6011	ERJ3GEYJ183V	1/10W 18K	1	D0GB183JA002
R6012	ERJ3GEYJ471V	1/10W 470	1	
R6013	ERJ3GEYJ105V	1/10W 1M	1	
R6014	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6015	ERJ3GEYJ221V	1/10W 220	1	
R6016	ERJ3GEYJ102V	1/10W 1K	1	
R6017	ERJ3GEYJ222V	1/10W 2.2K	1	D0GB222JA002
R6018	ERJ3GEYJ102V	1/10W 1K	1	
R6019	ERJ3GEYJ152V	1/10W 1.5K	1	EG
R6020,21	MCR03PZHJ561	1/10W 560	2	
R6022	ERJ3GEYJ102V	1/10W 1K	1	
R6023	ERJ3GEYJ181V	1/10W 180	1	
R6024	ERJ3GEYJ221V	1/10W 220	1	
R6025	ERJ3GEYJ473V	1/10W 47K	1	D0GB473JA002 EB
R6026-28	ERJ3GEYJ103V	1/10W 10K	3	D0GB103JA002
R6029,30	ERJ3GEYJ472V	1/10W 4.7K	2	
R6031	ERJ3GEYJ223V	1/10W 22K	1	D0GB223JA002
R6032	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R6034	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R6035,36	ERJ3GEYJ102V	1/10W 1K	2	
R6051	ERJ3GEYJ564V	1/10W 560K	1	D0GB564JA002
R6052	ERJ3GEYJ221V	1/10W 220	1	
R6053	ERJ3GEYJ682V	1/10W 6.8K	1	D0GB682JA002
R6054	ERJ3GEYJ125	1/10W 1.2M	1	
R6055	ERJ3GEYJ682V	1/10W 6.8K	1	D0GB682JA002
R6056	ERJ3GEYJ125	1/10W 1.2M	1	
R6057	ERJ3GEYJ104	1/10W 100K	1	
R6058,59	ERJ3GEYJ222V	1/10W 2.2K	2	D0GB222JA002
R6060,61	ERJ3GEYJ102V	1/10W 1K	2	
R6104	ERJ3GEYJ221V	1/10W 220	1	
R6105	ERJ3GEYJ681V	1/10W 680	1	D0GB681JA002
R6106,07	ERJ3GEYJ221V	1/10W 220	2	
R6108	ERJ3GEYJ681V	1/10W 680	1	D0GB681JA002
R6109	ERJ3GEYJ221V	1/10W 220	1	
R6201	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R6309	ERJ3GEYJ272V	1/10W 2.7K	1	
R6402	ERJ3GEYD153V	1/10W 15K	1	D0HB153ZA002
R6403	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R6404	ERDS2FJ471	1/4W 470	1	
R6405	ERJ3GEYJ472V	1/10W 4.7K	1	
R6406	ERJ3GEYJ474V	1/10W 470K	1	
R6407	ERJ3GEYJ392V	1/10W 3.9K	1	
R7401-04	ERDS2FJ331	1/4W 330	4	
R7405,06	ERJ3GEYJ471V	1/10W 470	2	
R7408	ERJ3GEY0R00V	1/10W 0	1	
R7410,11	ERJ3GEYJ221V	1/10W 220	2	
R7412	ERJ3GEY0R00V	1/10W 0	1	EB
R7413	ERJ3GEY0R00V	1/10W 0	1	
R7414,15	ERJ3GEYJ101	1/10W 100	2	D0GB101JA002 EB
R7416,17	ERJ3GEYJ471V	1/10W 470	2	
R7419	ERJ3GEY0R00V	1/10W 0	1	
R7420	ERJ3GEYJ681V	1/10W 680	1	D0GB681JA002
R7421,22	ERJ3GEYJ221V	1/10W 220	2	
R7433,34	ERJ3GEYJ104	1/10W 100K	2	EG
R7751	ERJ3GEYJ181V	1/10W 180	1	
R7901	ERDS2FJ331	1/4W 330	1	
R7902	ERJ3GEYJ333V	1/10W 33K	1	D0GB333JA002
R7903	ERJ3GEYJ332V	1/10W 3.3K	1	D0GB332JA002

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R7904	ERJ3GEYJ472V	1/10W 4.7K	1	
R7905,06	ERJ3GEYJ223V	1/10W 22K	2	D0GB223JA002
R7907	ERJ3GEYJ101	1/10W 100	1	D0GB101JA002
R7909	ERJ3GEYJ393V	1/10W 39K	1	D0GB393JA002
R23001	ERJ3RBD471V	1/16W 470	1	
R23002	ERJ3RED150V	1/16W 15	1	
R23003	ERJ3RBD471V	1/16W 470	1	
R23004	ERJ3GEYJ221V	1/10W 220	1	
R23025	ERJ3RBD153	1/16W 15K	1	
R23026	ERJ3GEYJ105V	1/10W 1M	1	
R23030	ERJ3EKF75R0	1/10W 75	1	
R23038	ERJ3GEYJ330V	1/10W 33	1	D0GB330JA002
R23039,40	ERJ3GEYJ221V	1/10W 220	2	
R23041	ERJ3RBD104	1/16W 100K	1	
R23704-06	ERJ3EKF75R0	1/10W 75	3	
R23901	ERJ3EKF75R0	1/10W 75	1	
R23902,03	ERJ3GEYJ821V	1/10W 820	2	
R23904,05	ERJ3GEYJ104	1/10W 100K	2	
R23910-12	ERJ3EKF75R0	1/10W 75	3	
R24061	ERJ3GEYJ681V	1/10W 680	1	D0GB681JA002
R24063,64	ERJ3GEYJ272V	1/10W 2.7K	2	
R24065	ERJ3GEYJ681V	1/10W 680	1	D0GB681JA002
R24069	ERJ3GEYJ221V	1/10W 220	1	
R24072	ERJ3GEYJ221V	1/10W 220	1	
R24901	ERJ3GEY0R00V	1/10W 0	1	
R24903	ERJ3GEY0R00V	1/10W 0	1	
R37502	ERJ3GEYJ472V	1/10W 4.7K	1	
R37503	ERJ3GEYJ473V	1/10W 47K	1	D0GB473JA002
R37504	ERJ3GEYJ273V	1/10W 27K	1	D0GB273JA002
R37505	ERJ3GEYJ225V	1/10W 2.2M	1	
R37529	ERJ3GEYJ224V	1/10W 220K	1	D0GB224JA002
R37560	ERJ3GEYJ104	1/10W 100K	1	
R37564	ERJ3GEYJ221V	1/10W 220	1	
R37570	ERJ3GEYJ104	1/10W 100K	1	
S1531	K0C111A00003	SWITCH,SAFTY TAB	1	
S1532	K0ZZ00000598	SWITCH,MODE	1	
T4001	EQQ7QF024P	TRANSFORMER	1	⚠
T7901	ETS13TB159AP	TRANSFORMER	1	⚠
TU7401	ENV57G05G3F	TV TUNERS	1	EG ⚠
TU7401	ENV87G01G3F	TV TUNERS	1	EB ⚠
TU7402	ENV57G05G3F	TV TUNERS	1	EG ⚠
TU7402	ENV87G01G3F	TV TUNERS	1	EB ⚠
TU7403	ENC879T2F	RF MODULATORS	1	
W701,02	ERJ6GEY0R00V	1/8W 0	2	
W703	ERJ3GEY0R00V	1/10W 0	1	
W704	ERJ6GEY0R00V	1/8W 0	1	
W705	ERJ3GEY0R00V	1/10W 0	1	
W706-09	ERJ6GEY0R00V	1/8W 0	4	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
W710-19	ERJ3GEY0R00V	1/10W 0	10	
W720	ERJ6GEY0R00V	1/8W 0	1	
W721,22	ERJ3GEY0R00V	1/10W 0	2	
W725-28	ERJ3GEY0R00V	1/10W 0	4	
W729	ERJ6GEY0R00V	1/8W 0	1	
W730,31	ERJ3GEY0R00V	1/10W 0	2	
W732,33	ERJ6GEY0R00V	1/8W 0	2	
W734-37	ERJ3GEY0R00V	1/10W 0	4	
W738-40	ERJ6GEY0R00V	1/8W 0	3	
W741	ERJ3GEY0R00V	1/10W 0	1	
W743	ERJ6GEY0R00V	1/8W 0	1	
W745-57	ERJ3GEY0R00V	1/10W 0	13	
W758	ERJ6GEY0R00V	1/8W 0	1	
W759-62	ERJ3GEY0R00V	1/10W 0	4	
W763	ERJ6GEY0R00V	1/8W 0	1	
W764	ERJ3GEY0R00V	1/10W 0	1	
W765	ERJ6GEY0R00V	1/8W 0	1	
W766	ERJ3GEY0R00V	1/10W 0	1	
W767	ERJ6GEY0R00V	1/8W 0	1	
W768-70	ERJ3GEY0R00V	1/10W 0	3	
W771	ERJ6GEY0R00V	1/8W 0	1	
W772	ERJ3GEY0R00V	1/10W 0	1	
W773	ERJ6GEY0R00V	1/8W 0	1	
W774,75	ERJ3GEY0R00V	1/10W 0	2	
W776	ERJ6GEY0R00V	1/8W 0	1	
W777	ERJ3GEY0R00V	1/10W 0	1	
W778	ERJ6GEY0R00V	1/8W 0	1	
W779-04	ERJ3GEY0R00V	1/10W 0	26	
W805	ERJ6GEY0R00V	1/8W 0	1	
W806	ERJ3GEY0R00V	1/10W 0	1	
W808,09	ERJ6GEY0R00V	1/8W 0	2	
W811	ERJ3GEY0R00V	1/10W 0	1	EG
X3001	H0D443400039	CRYSTAL OSCILLATOR	1	
X3002	H0D357400067	OSCILLATOR	1	
X6001	H0D120500009	OSCILLATOR	1	
X6002	H0A327200026	OSCILLATOR	1	
■	03	VEP07A51A/C		(NICAM DECORDER P.C.B.)
C7301	ECJ1VF1C104Z	16V 0.1U	1	
C7302	ERJ3GEY0R00V	1/10W 0	1	
C7303	ECEA0JKS101	6.3V 100U	1	
C7305	ECEA0JKS101	6.3V 100U	1	
C7306	ECJ1VF1H103Z	50V 0.01U	1	
C7307,08	ECJ1VC1H100C	50V 10P	2	
C7309,10	ECJ1VC1H101J	50V 100P	2	EB
C7311	ECJ1VC1H101J	50V 100P	1	
C7312,13	ECEA1CKS100	16V 10U	2	
C7314	ECJ1VF1C104Z	16V 0.1U	1	
C7317	ECEA1CKA470	16V 47U	1	
C7318	ECEA1CKS100	16V 10U	1	
C7323	ECJ1VC1H102J	50V 1000P	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C7324	ECJ1VF1C104Z	16V 0.1U	1	
C7329	ERJ3GEY0R00V	1/10W 0	1	
C7330	ERJ3GEYJ822V	1/10W 8.2K	1	D0GB822JA002
C7332	ECJ1VF1C104Z	16V 0.1U	1	
C7333	ECJ1XB1C104K	16V 0.1U	1	
C7334	ECEA1HKS2R2	50V 2.2U	1	
C7335	ECJ1VF1C104Z	16V 0.1U	1	
IC7301	TDA9874AH	IC	1	C1AB00001404
IC7302	PST7043-T	IC	1	C0EAH0000051
K7301-03	ERJ3GEY0R00V	1/10W 0	3	
K7305	ERJ3GEY0R00V	1/10W 0	1	
L7303	G0C1R0JA0019	COIL 1UH	1	
LB7301,02	J0JCC0000124	COIL	2	
LB7303	J0JCC0000080	COIL	1	
PK7301	VJR0777B007W	CONNECTOR(7P)	1	K1MM07B00002
PK7302	VJR0777B006W	CONNECTOR(6P)	1	K1MM06B00002
R7301	ERJ3GEY0R00V	1/10W 0	1	
R7304	ERJ3GEYJ101	1/10W 100	1	D0GB101JA002
R7307	ERJ3GEY0R00V	1/10W 0	1	
R7309	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R7311	ERJ3GEYJ221V	1/10W 220	1	
R7312,13	ERJ3RBD221	1/10W 220	2	
R7314,15	ERJ3GEY0R00V	1/10W 0	2	
R7317	J0JCC0000103	COIL	1	
R7319	J0JCC0000103	COIL	1	
R7322	ERJ3GEY0R00V	1/10W 0	1	
R7324,25	ERJ3GEYJ101	1/10W 100	2	D0GB101JA002
W6,W7	ERJ3GEY0R00V	1/10W 0	2	
X7301	H0D245500016	CRYSTAL OSCILLATOR	1	
■	04	VEP07A51B/D		(VHS DECORDER P.C.B.)
C7301	ECJ1VF1C104Z	16V 0.1U	1	
C7302	ERJ3GEY0R00V	1/10W 0	1	
C7303	ECEA0JKS101	6.3V 100U	1	
C7305	ECEA0JKS101	6.3V 100U	1	
C7306	ECJ1VF1H103Z	50V 0.01U	1	
C7307,08	ECJ1VC1H100C	50V 10P	2	
C7309,10	ECJ1VC1H101J	50V 100P	2	EB
C7311	ECJ1VC1H101J	50V 100P	1	
C7312,13	ECEA1CKS100	16V 10U	2	
C7314	ECJ1VF1C104Z	16V 0.1U	1	
C7317	ECEA1CKA470	16V 47U	1	
C7318	ECEA1CKS100	16V 10U	1	
C7323	ECJ1VB1H102K	50V 1000P	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C7324	ECJ1VF1C104Z	16V 0.1U	1	
C7329	ERJ3GEY0R00V	1/10W 0	1	
C7330	ERJ3GEYJ822V	1/10W 8.2K	1	D0GB822JA002
C7332	ECJ1VF1C104Z	16V 0.1U	1	
C7333	ECJ1XB1C104K	16V 0.1U	1	
C7334	ECEA1HKS2R2	50V 2.2U	1	
C7335	ECJ1VF1C104Z	16V 0.1U	1	
IC7301	TDA9874AH	IC	1	C1AB00001404
IC7302	PST7043-T	IC	1	C0EAH0000051
K7301-03	ERJ3GEY0R00V	1/10W 0	3	
K7305	ERJ3GEY0R00V	1/10W 0	1	
L7303	G0C1R0JA0019	COIL 1UH	1	
LB7301,02	J0JCC0000124	COIL	2	
LB7303	J0JCC0000080	COIL	1	
PK7301	VJR0777B007W	CONNECTOR(7P)	1	K1MM07B00002
PK7302	VJR0777B006W	CONNECTOR(6P)	1	K1MM06B00002
R7301	ERJ3GEY0R00V	1/10W 0	1	
R7304	ERJ3GEYJ101	1/10W 100	1	D0GB101JA002
R7307	ERJ3GEY0R00V	1/10W 0	1	
R7309	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R7310	ERJ3GEYJ221V	1/10W 220	1	
R7312,13	ERJ3RBD221	1/10W 220	2	
R7314,15	ERJ3GEY0R00V	1/10W 0	2	
R7317	J0JCC0000103	COIL	1	
R7319	J0JCC0000103	COIL	1	
R7322	ERJ3GEY0R00V	1/10W 0	1	
R7324,25	ERJ3GEYJ101	1/10W 100	2	D0GB101JA002
W6,W7	ERJ3GEY0R00V	1/10W 0	2	
X7301	H0D245500016	CRYSTAL OSCILLATOR	1	
■	05	VEP07A71G/H		(VHS VIF P.C.B.)
C0701	ECEA1HKS010	50V 1U	1	
C0702	ERJ3GEYJ102V	1/10W 1K	1	
C0703	ECEA1HKS010	50V 1U	1	
C0704	ECJ1VB1E683K	25V 0.0683U	1	
C0705	ECJ1VB1E104K	25V 0.1U	1	
C0706	ECJ2XB1H333K	50V 0.033U	1	
C0707	ECEA1HKAR47B	50V 0.47U	1	
C0709,10	ECJ1VF1H103Z	50V 0.01U	2	
C0711	ECEA1CKS220	16V 22U	1	
C0712	ECJ1VF1C104Z	16V 0.1U	1	
C0713	ECEA0JKS101	6.3V 100U	1	
C0714	ECJ2XF1C105Z	16V 1U	1	
C0721	ECJ2VC1H680J	50V 68P	1	EG

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C0721	ECUV1H330JCG	50V 33P	1	ECJ2VC1H330J EB
C0724	ECJ2VF1H103Z	50V 0.01U	1	
C0725	ECJ1VC1H030C	50V 3P	1	EG
C0725	ECJ1VC1H120J	50V 12P	1	EB
C0727	ECJ1VC1H390J	50V 39P	1	
C0728	ECJ1VC1H560J	50V 56P	1	EB
C0730	ECJ1VC1H220J	50V 22P	1	EB
C0730	ECJ1VC1H680J	50V 68P	1	EG
C0732	ECJ1VC1H101J	50V 100P	1	
IC0701	C1AB00001924	IC	1	
K0709	ERJ3GEY0R00V	1/10W 0	1	
L0701	ELJNAR27JF	COIL 27UH	1	
L0703	ELJNA3R3JF	COIL 3.3UH	1	
PK0701	VJR0826E009W	CONNECTOR(9P)	1	K1MR09A00028
PP0701	K1KA04A00512	CONNECTOR(4P)	1	
Q0702	2SB0709ARL	TRANSISTOR	1	
R0701	ERJ3GEY0R00V	1/10W 0	1	EB
R0702	ERJ3GEYJ104	1/10W 100K	1	
R0703	ERJ3GEYJ102V	1/10W 1K	1	
R0704	ERJ6GEYG105	1/8W 1M	1	
R0705	ERJ6GEYJ272V	1/8W 2.7K	1	EG
R0705	ERJ6GEYJ392V	1/8W 3.9K	1	EB
R0707	ERJ3GEYJ393V	1/10W 39K	1	D0GB393JA002
R0708	ERJ3GEYJ223V	1/10W 22K	1	D0GB223JA002
R0711	ERJ3GEYJ510	1/10W 51	1	
R0715	ERJ3GEYJ223V	1/10W 22K	1	D0GB223JA002
R0719	ERJ3GEYJ472V	1/10W 4.7K	1	
R0725	ERJ6GEYJ101V	1/8W 100	1	
R0726	ERJ3GEYJ332V	1/10W 3.3K	1	D0GB332JA002
R0728	ERJ3GEY0R00V	1/10W 0	1	EB
R0729	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R0730	ERJ6GEYJ103V	1/8W 10K	1	EG
R0738	ERJ3GEY0R00V	1/10W 0	1	
R0740	ERJ3GEYJ471V	1/10W 470	1	
R0741	ERJ3GEYJ221V	1/10W 220	1	
R0742	ERJ6GEYJ471V	1/8W 470	1	
R0743	ERJ6GEYJ820V	1/8W 82	1	
R0747,48	ERJ3GEYJ271V	1/10W 270	2	
VR0701	EVNCYAA03B14	V.R.	1	
W1-W3	ERJ8GEY0R00V	1/4W 0	3	
W4	ERJ6GEY0R00V	1/8W 0	1	
W5,W6	ERJ8GEY0R00V	1/4W 0	2	
W7,W8	ERJ6GEY0R00V	1/8W 0	2	
W9	ERJ8GEY0R00V	1/4W 0	1	
W10	ERJ3GEY0R00V	1/10W 0	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
W12	ERJ3GEY0R00V	1/10W 0	1	
W13,14	ERJ8GEY0R00V	1/4W 0	2	
W16	ERJ8GEY0R00V	1/4W 0	1	
X0701	VLF1416	FILTER	1	J0B4045A0002 EG
X0701	VLF1417	FILTER	1	J0B4155A0003 EB
X0704	VLF1493	CRYSTAL OSCILLATOR	1	EG
X0704	VLF1495	CRYSTAL OSCILLATOR	1	EB
■	06	VEP07A71J/K		(HI-FI VIF P.C.B.)
C0701	ECEA1HKS010	50V 1U	1	
C0702	ERJ3GEYJ102V	1/10W 1K	1	
C0703	ECEA1HKS010	50V 1U	1	
C0704	ECJ1VB1E683K	25V 0.0683U	1	
C0705	ECJ1VB1E104K	25V 0.1U	1	
C0706	ECJ2XB1H333K	50V 0.033U	1	
C0707	ECEA1HKAR47B	50V 0.47U	1	
C0709,10	ECJ1VF1H103Z	50V 0.01U	2	
C0711	ECEA1CKS220	16V 22U	1	
C0712	ECJ1VF1C104Z	16V 0.1U	1	
C0713	ECEA0JKS101	6.3V 100U	1	
C0714	ECJ2XF1C105Z	16V 1U	1	
C0721	ECJ2VC1H680J	50V 68P	1	EG
C0721	ECUV1H330JCG	50V 33P	1	ECJ2VC1H330J EB
C0724	ECJ2VF1H103Z	50V 0.01U	1	
C0725	ECJ1VC1H030C	50V 3P	1	EG
C0725	ECJ1VC1H120J	50V 12P	1	EB
C0727	ECJ1VC1H390J	50V 39P	1	
C0728	ECJ1VC1H560J	50V 56P	1	EB
C0730	ECJ1VC1H220J	50V 22P	1	EB
C0730	ECJ1VC1H680J	50V 68P	1	EG
C0732	ECJ1VC1H101J	50V 100P	1	
IC0701	C1AB00001924	IC	1	
K0709	ERJ3GEY0R00V	1/10W 0	1	
L0701	ELJNAR27JF	COIL 27UH	1	
L0703	ELJNA3R3JF	COIL 3.3UH	1	
PK0701	VJR0826E009W	CONNECTOR(9P)	1	K1MR09A00028
PP0701	VJP3589E004B	CONNECTOR(4P)	1	K1KA04B00135
Q0702	2SB0709ARL	TRANSISTOR	1	
R0701	ERJ3GEY0R00V	1/10W 0	1	EB
R0702	ERJ3GEYJ104	1/10W 100K	1	
R0703	ERJ3GEYJ102V	1/10W 1K	1	
R0704	ERJ6GEYG105	1/8W 1M	1	
R0705	ERJ6GEYJ272V	1/8W 2.7K	1	EG
R0705	ERJ6GEYJ392V	1/8W 3.9K	1	EB

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R0707	ERJ3GEYJ393V	1/10W 39K	1	D0GB393JA002
R0708	ERJ3GEYJ223V	1/10W 22K	1	D0GB223JA002
R0711	ERJ3GEYJ510	1/10W 51	1	
R0715	ERJ3GEYJ223V	1/10W 22K	1	D0GB223JA002
R0719	ERJ3GEYJ472V	1/10W 4.7K	1	
R0725	ERJ6GEYJ101V	1/8W 100	1	
R0726	ERJ3GEYJ332V	1/10W 3.3K	1	D0GB332JA002
R0728	ERJ3GEY0R00V	1/10W 0	1	EB
R0729	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R0730	ERJ6GEYJ103V	1/8W 10K	1	EG
R0738	ERJ3GEY0R00V	1/10W 0	1	
R0740	ERJ3GEYJ471V	1/10W 470	1	
R0741	ERJ3GEYJ221V	1/10W 220	1	
R0742	ERJ6GEYJ471V	1/8W 470	1	
R0743	ERJ6GEYJ820V	1/8W 82	1	
R0747,48	ERJ3GEYJ271V	1/10W 270	2	
VR0701	EVNCYAA03B14	V.R.	1	
W1-W3	ERJ8GEY0R00V	1/4W 0	3	
W4	ERJ6GEY0R00V	1/8W 0	1	
W5,W6	ERJ8GEY0R00V	1/4W 0	2	
W7,W8	ERJ6GEY0R00V	1/8W 0	2	
W9	ERJ8GEY0R00V	1/4W 0	1	
W10	ERJ3GEY0R00V	1/10W 0	1	
W12	ERJ3GEY0R00V	1/10W 0	1	
W13,14	ERJ8GEY0R00V	1/4W 0	2	
W16	ERJ8GEY0R00V	1/4W 0	1	
X0701	VLF1416	FILTER	1	J0B4045A0002 EG
X0701	VLF1417	FILTER	1	J0B4155A0003 EB
X0704	VLF1493	CRYSTAL OSCILLATOR	1	EG
X0704	VLF1495	CRYSTAL OSCILLATOR	1	EB
■	07	REP3717H/RFKBE75VEB		(DIGITAL P.C.B.)
C3401	ECJ1VB0J105K	6.3V 1U	1	
C3402	ECJ0EC1H220J	50V 22P	1	
C3403	ECJ0EB1A104K	10V 0.1U	1	
C3404,05	ECJ0EC1H220J	50V 22P	2	
C3406	ECJ0EB1A104K	10V 0.1U	1	
C3407,08	ECJ0EC1H100D	50V 10P	2	
C3410	ECJ0EB1C103K	16V 0.01U	1	
C3411	ECST0JX476R	6.3V 47U	1	
C3417-19	ECJ1VB0J105K	6.3V 1U	3	
C3420	ECJ0EB1C103K	16V 0.01U	1	
C3421	ECJ0EB1A104K	10V 0.1U	1	
C3422	ECJ0EB1C103K	16V 0.01U	1	
C3423-28	ECJ0EB1A104K	10V 0.1U	6	
C3429,30	ECJ2FB0J106K	6.3V 10U	2	
C3431	ECJ0EB1A104K	10V 0.1U	1	
C3432	ECJ1VB0J105K	6.3V 1U	1	
C3433	ECJ0EB1A104K	10V 0.1U	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3435,36	ECJ0EB1A104K	10V 0.1U	2	
C3440	EEEHB0J101P	6.3V 100P	1	
C3441	ECJ0EB1A104K	10V 0.1U	1	
C4402	EEEHB1C100R	16V 10P	1	
C4403	ECJ0EF1C104Z	16V 0.1U	1	
C4404	EEEHB0J101P	6.3V 100P	1	
C4405,06	ECJ0EF1C104Z	16V 0.1U	2	
C4407	EEEHB1C100R	16V 10P	1	
C4408,09	ECJ0EF1C104Z	16V 0.1U	2	
C4410	F2H0J331A016	6.3V 330U	1	
C4411	ECJ0EF1C104Z	16V 0.1U	1	
C4412	EEEHB0J101P	6.3V 100P	1	
C4415	EEEHB0J470R	6.3V 47P	1	
C4416	ECJ0EF1C104Z	16V 0.1U	1	
C4417	ECST1AY106R	10V 10U	1	
C4418	ECJ0EF1C104Z	16V 0.1U	1	
C4421	ECJ0EB1E102K	25V 1000P	1	
C4423,24	ECJ0EB1E102K	25V 1000P	2	
C4426	ECJ0EF1C104Z	16V 0.1U	1	
C6001	ECJ0EF1C104Z	16V 0.1U	1	
C6002	ECJ2FB0J106K	6.3V 10U	1	
C6003	ECJ0EB1C103K	16V 0.01U	1	
C9001,02	ECJ0EC1H470J	50V 47P	2	
C50001	ECJ1VB0J105K	6.3V 1U	1	
C50002	EEEHB0J220R	6.3V 22P	1	
C50004,05	ECJ0EB1A104K	10V 0.1U	2	
D3401,02	MA3S132E0L	DIODE	2	
D4401	MA3Z142K0LG	DIODE	1	
FL3401,02	F1H0J4740004	FILTER	2	
FL3404	F1H0J4740004	FILTER	1	
FL3406,07	F1H0J4740004	FILTER	2	
FL3409-12	F1H0J4740004	FILTER	4	
FL3414-26	F1H0J4740004	FILTER	13	
FL3429	F1H0J4740004	FILTER	1	
FL3431	F1H0J4740004	FILTER	1	
FL3433-35	F1H0J4740004	FILTER	3	
FL4401,02	F1H0J4740004	FILTER	2	
FL6001-06	F1H0J4740004	FILTER	6	
FL6008-17	F1H0J4740004	FILTER	10	
FL6020-23	F1H0J4740004	FILTER	4	
FL6701-03	F1H0J4740004	FILTER	3	
FL50001-06	F1H0J4740004	FILTER	6	
FP3401	K1MN40A00022	CONNECTOR(40P)	1	
IC3401	AN13310B-VB	IC	1	
IC3402	C3ABRG000036	IC	1	
IC3404	MN85573R	IC	1	
IC3406	C1DB00001110	IC	1	
IC3408	C3ABPJ000052	IC	1	
IC3409	C0DBZGC00066	IC	1	
IC4402	C0FBBK000035	IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC4403	C0JBAD000107	IC	1	
IC4404	C0CBCBD00002	IC	1	
IC4405	C0ABBB000105	IC	1	
IC4406	C0FBAK000008	IC	1	
IC6001	MN2DS0011-HR	IC	1	
IC6002	C0EBE0000130	IC	1	
IC6003	C3CBLD000088	IC	1	
IC6004	74LVC244APWL	IC	1	C0JBAZ001466
IC6005	C3ABQG000068	IC	1	
IC6701	C1ZBZ0002429	IC	1	
IC6702	REP3717H	DIGITAL P.C.B.	1	EG
IC6702	RFKBE75VEB	DIGITAL P.C.B.	1	EB
IC50001,02	C3ABPG000067	IC	2	
LB3404,05	J0JHC0000032	COIL	2	
LB3408,09	J0JHC0000032	COIL	2	
LB4401	J0JGC0000020	COIL	1	
LB4402	J0JHC0000032	COIL	1	
LB4403,04	J0JGC0000020	COIL	2	
LB6001,02	J0JHC0000032	COIL	2	
LB9001,02	J0JHC0000032	COIL	2	
LB9006,07	J0JCC0000103	COIL	2	
LB9008	J0JHC0000045	COIL	1	
LB9009	J0JHC0000046	COIL	1	
LB50001-05	J0JHC0000032	COIL	5	
P6002	K1KA06A00394	CONNECTOR(6P)	1	
P9001	K1KB88A00002	CONNECTOR(88P)	1	
Q6001,02	B1ABCF000114	TRANSISTOR	2	
Q6701-05	B1ABCF000114	TRANSISTOR	5	
Q50001-05	B1ADCF000081	TRANSISTOR	5	
QR3401	UNR521L00L	TRANSISTOR	1	
R3405	ERJ2GEJ103	1/16W 10K	1	
R3407	ERJ2GE0R00X	1/16W 0	1	
R3409	ERJ2GE0R00X	1/16W 0	1	
R3410,11	ERJ2GEJ101	1/16W 100	2	
R3412	ERJ2GEJ220X	1/16W 22	1	ERJ2RMJ220X
R3414	ERJ2GEJ330X	1/16W 33	1	
R3415	ERJ2GEJ220X	1/16W 22	1	ERJ2RMJ220X
R3416	ERJ2GEJ472X	1/16W 4.7K	1	ERJ2RMJ472X
R3417,18	ERJ2GEJ103	1/16W 10K	2	
R3419-23	ERJ2GEJ220X	1/16W 22	5	ERJ2RMJ220X
R3427	ERJ2GEJ220X	1/16W 22	1	ERJ2RMJ220X
R3430	ERJ2GEJ220X	1/16W 22	1	ERJ2RMJ220X
R3440	ERJ2GEJ103	1/16W 10K	1	
R3442	ERJ2GEJ103	1/16W 10K	1	
R3443-45	ERJ2GE0R00X	1/16W 0	3	
R3447	ERJ2RHD682	1/16W 6.8K	1	
R3448	ERJ2GEJ562X	1/16W 5.6K	1	
R3449	ERJ2RHD682	1/16W 6.8K	1	
R3450	ERJ2GEJ104	1/16W 100K	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3451	ERJ2GEJ220X	1/16W 22	1	ERJ2RMJ220X
R3452	ERJ2GE0R00X	1/16W 0	1	
R3453	ERJ2GEJ220X	1/16W 22	1	ERJ2RMJ220X
R3454	ERJ2GEJ390X	1/16W 39	1	ERJ2RMJ390X
R3455,56	ERJ2GEJ220X	1/16W 22	2	ERJ2RMJ220X
R3457	ERJ2GE0R00X	1/16W 0	1	
R3460-62	ERJ2GEJ470	1/16W 47	3	
R3463	ERJ2GEJ820X	1/16W 82	1	
R3464	ERJ2GEJ102X	1/16W 1K	1	ERJ2RMJ102X
R3465	ERJ2GEJ332X	1/16W 3.3K	1	ERJ2RMJ332X
R3466	ERJ2GEJ820X	1/16W 82	1	
R3467	ERJ2GEJ562X	1/16W 5.6K	1	
R3468	ERJ2GEJ103	1/16W 10K	1	
R3470	ERJ2GEJ103	1/16W 10K	1	
R3471	ERJ2GEJ330X	1/16W 33	1	
R3472,73	ERJ2GEJ220X	1/16W 22	2	ERJ2RMJ220X
R3476	ERJ2GEJ102X	1/16W 1K	1	ERJ2RMJ102X
R4402-06	ERJ2GE0R00X	1/16W 0	5	
R4407	JAR0816P103D	1/16W 10K	1	D0HB103ZA002
R4409	JAR0816P562D	1/16W 5.6K	1	D0HB562ZA002
R4411	JAR0816P103D	1/16W 10K	1	D0HB103ZA002
R4412	JAR0816P562D	1/16W 5.6K	1	D0HB562ZA002
R4414,15	ERJ3GEY0R00V	1/10W 0	2	
R4418	ERJ2GEJ221	1/16W 220	1	
R4419-22	ERJ2GE0R00X	1/16W 0	4	
R4425	ERJ2GEJ562X	1/16W 5.6K	1	
R4426-28	ERJ2GE0R00X	1/16W 0	3	
R6001	ERJ2GEJ333X	1/16W 33K	1	ERJ2RMJ333X
R6002	ERJ2GEJ332X	1/16W 3.3K	1	ERJ2RMJ332X
R6003	ERJ2GEJ102X	1/16W 1K	1	ERJ2RMJ102X
R6004	ERJ2GEJ472X	1/16W 4.7K	1	ERJ2RMJ472X
R6005	ERJ2GEJ103	1/16W 10K	1	
R6006	ERJ2GEJ153	1/16W 15K	1	
R6007	ERJ2GEJ472X	1/16W 4.7K	1	ERJ2RMJ472X
R6008	ERJ2GEJ103	1/16W 10K	1	
R6009,10	ERJ2GEJ330X	1/16W 33	2	
R6013	ERJ2GEJ103	1/16W 10K	1	
R6018,19	ERJ2GEJ220X	1/16W 22	2	ERJ2RMJ220X
R6020	ERJ2GE0R00X	1/16W 0	1	
R6021,22	ERJ2GEJ470	1/16W 47	2	
R6023	ERJ2GEJ332X	1/16W 3.3K	1	ERJ2RMJ332X
R6028	ERJ2GEJ470	1/16W 47	1	
R6029	ERJ2GEJ103	1/16W 10K	1	
R6031	ERJ2GEJ470	1/16W 47	1	
R6035	ERJ2GEJ470	1/16W 47	1	
R6036	ERJ2GEJ332X	1/16W 3.3K	1	ERJ2RMJ332X
R6037	ERJ2GEJ333X	1/16W 33K	1	ERJ2RMJ333X
R6038	ERJ2GEJ103	1/16W 10K	1	
R6040	ERJ2GEJ332X	1/16W 3.3K	1	ERJ2RMJ332X
R6702-04	ERJ2GEJ470	1/16W 47	3	
R6706,07	ERJ2GEJ470	1/16W 47	2	
R6709,10	ERJ2GEJ332X	1/16W 3.3K	2	ERJ2RMJ332X
R6711,12	ERJ2GEJ470	1/16W 47	2	
R6713	ERJ2GEJ103	1/16W 10K	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6714	ERJ2GEJ333X	1/16W 33K	1	ERJ2RMJ333X
R6715	ERJ2GEJ470	1/16W 47	1	
R6718	ERJ2GE0R00X	1/16W 0	1	
R6720-28	ERJ2GEJ470	1/16W 47	9	
R6729	ERJ2GEJ104	1/16W 100K	1	
R6730	ERJ2GEJ103	1/16W 10K	1	
R6731	ERJ2GEJ222X	1/16W 22K	1	ERJ2RMJ222X
R6733	ERJ2GEJ103	1/16W 10K	1	
R6735	ERJ2GEJ472X	1/16W 4.7K	1	ERJ2RMJ472X
R6737,38	ERJ2GEJ470	1/16W 47	2	
R6739	ERJ2GEJ102X	1/16W 1K	1	ERJ2RMJ102X
R6741	ERJ2GEJ103	1/16W 10K	1	
R6742	ERJ2GEJ332X	1/16W 3.3K	1	ERJ2RMJ332X
R6743,44	ERJ2GEJ103	1/16W 10K	2	
R6745-51	ERJ2GEJ470	1/16W 47	7	
R6752	ERJ2GEJ101	1/16W 100	1	
R6753-56	ERJ2GEJ470	1/16W 47	4	
R50001	ERJ2GEJ220X	1/16W 22	1	ERJ2RMJ220X
R50002	ERJ2GE0R00X	1/16W 0	1	
R50003	ERJ2GEJ220X	1/16W 22	1	ERJ2RMJ220X
R50004	ERJ2GE0R00X	1/16W 0	1	
R50005	ERJ2GEJ330X	1/16W 33	1	
R50006,07	ERJ2GEJ470	1/16W 47	2	
R50008	ERJ2GEJ220X	1/16W 22	1	ERJ2RMJ220X
R50009	ERJ2GEJ103	1/16W 10K	1	
R50010	ERJ2RHD242	1/16W 2.4K	1	
R50011	ERJ2RHD223X	1/16W 22K	1	
R50012,13	ERJ2GE0R00X	1/16W 0	2	
R50015	ERJ2RHD333	1/16W 33K	1	
R50016	ERJ2RHD152	1/16W 1.5K	1	
R50017	ERJ2RHD153	1/16W 15K	1	
R50018	ERJ3RBD151	1/16W 150	1	
R50019	ERJ2GEJ330X	1/16W 33	1	
R50020	ERJ2GEJ102X	1/16W 1K	1	ERJ2RMJ102X
R50021	ERJ3RED820	1/16W 82	1	
R50022	ERJ2GEJ330X	1/16W 33	1	
R50023	ERJ2GEJ102X	1/16W 1K	1	ERJ2RMJ102X
R50024	ERJ3RED820	1/16W 82	1	
R50025	ERJ2GEJ330X	1/16W 33	1	
R50026	ERJ2GEJ102X	1/16W 1K	1	ERJ2RMJ102X
R50027	ERJ3RBD151	1/16W 150	1	
R50028	ERJ2GEJ330X	1/16W 33	1	
R50029	ERJ2GEJ102X	1/16W 1K	1	ERJ2RMJ102X
R50030	ERJ3RED220	1/16W 22	1	
R50031	ERJ3RBD151	1/16W 150	1	
R50032	ERJ2GEJ330X	1/16W 33	1	
R50033	ERJ2GEJ102X	1/16W 1K	1	ERJ2RMJ102X
R50034,35	ERJ3RED160V	1/16W 16	2	
RX3401-16	D1H82204A024	RESISTOR-RESISTOR	16	
RX3419-26	D1H82204A024	RESISTOR-RESISTOR	8	
RX3427-32	D1H81034A024	RESISTOR-RESISTOR	6	
RX3433-44	D1H82204A024	RESISTOR-RESISTOR	12	
RX6001	D1H81034A024	RESISTOR-RESISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
RX6005,06	D1H83304A024	RESISTOR-RESISTOR	2	
RX6009-26	D1H83304A024	RESISTOR-RESISTOR	18	
RX6027-32	D1H84704A024	RESISTOR-RESISTOR	6	
RX6033,34	D1H83324A013	RESISTOR-RESISTOR	2	
RX6035,36	D1H83334A024	RESISTOR-RESISTOR	2	
RX6037	D1H81034A024	RESISTOR-RESISTOR	1	
RX6038	D1H83304A024	RESISTOR-RESISTOR	1	
RX6039-42	D1H85604A024	RESISTOR-RESISTOR	4	
RX6043	D1H81034A024	RESISTOR-RESISTOR	1	
RX6044	D1H83334A024	RESISTOR-RESISTOR	1	
RX6706	D1H84704A024	RESISTOR-RESISTOR	1	
RX6708	D1H84704A024	RESISTOR-RESISTOR	1	
RX6711,12	D1H83324A013	RESISTOR-RESISTOR	2	
RX6716	D1H84704A024	RESISTOR-RESISTOR	1	
RX6717-19	D1H83334A024	RESISTOR-RESISTOR	3	
RX6720,21	D1H83324A013	RESISTOR-RESISTOR	2	
RX6724	D1H84704A024	RESISTOR-RESISTOR	1	
RX6726-28	D1H84704A024	RESISTOR-RESISTOR	3	
RX6731-34	D1H84704A024	RESISTOR-RESISTOR	4	
RX6735	D1H82224A024	RESISTOR-RESISTOR	1	
RX6736	D1H81034A024	RESISTOR-RESISTOR	1	
RX6737	D1H84724A024	RESISTOR-RESISTOR	1	
RX6738	D1H83334A024	RESISTOR-RESISTOR	1	
RX50001-16	D1H84704A024	RESISTOR-RESISTOR	16	
X3401	H0J270500069	CRYSTAL OSCILLATOR	1	
■	08	VEP09132A		(DIGITAL IF P.C.B.)
C11120	ECQU2A683ML	0.068U	1	⚠
C11122,23	ECKWNA102MEV	1000P	2	⚠
C11124	ECKMNA102MEV	0.01U	1	⚠
C11127	ECQU2A223ML	0.022U	1	⚠
C11141	EEUED2G680E	400V 68	1	
C11150	EEUFM1V680	35V 68U	1	
C11151	F1B3A101A009	50V 100	1	
C11152	ECUV1H470JCG	50V 47P	1	ECJ2VC1H470J
C11153	ECJ2VB1H472K	50V 4700P	1	
C11154	ECJ2XB1H102K	50V 1000P	1	ECJ2VB1H102K
C11200	ECJ2VB1E104K	25V 0.1U	1	
C11201	ECJ2VB1E473K	25V 0.047U	1	
C11270,71	F2A1C1520011	16V 1500U	2	
C11272	EEUFM1C471L	16V 470U	1	
C11280	ECA1EHG471	25V 470U	1	
C11281	F2A1E2210050	25V 220U	1	
C11401	EEUFM1C471L	16V 470U	1	
C11403	ECJ2XF1H104Z	50V 0.1U	1	
C11404	ECJ2XB1H102K	50V 1000P	1	ECJ2VB1H102K
C11405	ECJ2VB1E104K	25V 0.1U	1	
C11406	ECJ2XB1H102K	50V 1000P	1	ECJ2VB1H102K
C11407	ECJ2VB1E473K	25V 0.047U	1	
C11408	ECJ2XB1H102K	50V 1000P	1	ECJ2VB1H102K

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C11470	EEUFM1A102	10V 1000U	1	
C11471	ECA1AHG221	10V 220U	1	
C11501	F2A1E2210050	25V 220U	1	
C11502	ECJ2XF1C105Z	16V 1U	1	
C11503	ECJ2VB1H103K	50V 0.01U	1	
C11505	ECJ2VB1H472K	50V 4700P	1	
C11506	ECJ2XB1H102K	50V 1000P	1	ECJ2VB1H102K
C11508	ECJ2XC1H331J	16V 330P	1	
C11570	F2A1A6810017	10V 680U	1	
C31001-04	ECJ1VB1H103K	50V 0.01U	4	
C31400	F2A1E2210050	25V 220U	1	
C31401,02	ECJ2XF1H104Z	50V 0.1U	2	
C31403	ECJ2VB1H103K	50V 0.01U	1	
C31404	ECJ2VC1H680J	50V 68P	1	
C31405	ECJ2VB1E104K	25V 0.1U	1	
C31406	F2A1A6810017	10V 680U	1	
C31407	F2A1E2210050	25V 220U	1	
C31408	ECJ2XF1C105Z	16V 1U	1	
C31409	ECJ2VB1H103K	50V 0.01U	1	
C31410	ECJ2XC1H331J	16V 330P	1	
C31411	ECJ2VB1H472K	50V 4700P	1	
C31412	ECJ2XB1H102K	50V 1000P	1	ECJ2VB1H102K
C31413	F2A1A6810017	10V 680U	1	
C31416	ECJ2VB1H472K	50V 4700P	1	
C31513	ECJ1VB1A105K	10V 1U	1	
C31514	ECJ1VB0J105K	6.3V 1U	1	
C31515	ECJ1XB1C104K	16V 0.1U	1	
C31516	ECJ1VB1A105K	10V 1U	1	
C31518	F2A1A470A388	10V 47U	1	
C31520	ECJ1VB1A105K	10V 1U	1	
C31521	ECJ1VB0J105K	6.3V 1U	1	
C31522	ECUX1H331KBV	50V 330P	1	ECJ1VB1H331K
C31523	ECJ1VB1A105K	10V 1U	1	
C31524	F2A1A470A388	10V 47U	1	
C31527,28	ECJ1VB0J105K	6.3V 1U	2	
C31531	F2A1A470A388	10V 47U	1	
C31533,34	ECJ1VB0J105K	6.3V 1U	2	
C31537	F2A1A101A389	10V 100U	1	
C31909-12	ECJ1VB1H103K	50V 0.01U	4	
C33731	ERJ3GEY0R00V	1/10W 0	1	
C33734	ECJ1VB0J105K	6.3V 1U	1	
C33735	ECEA0JKN470	6.3V 47U	1	
C33738	ERJ3GEY0R00V	1/10W 0	1	
C33740	ECEA0JKN470	6.3V 47U	1	
C34028,29	F2A1C100A019	16V 10U	2	
C37401-04	ECEA0JKS470	6.3V 47U	4	
C37405	ECJ1VF1C104Z	16V 0.1U	1	
C37406	ECEA0JKS470	6.3V 47U	1	
C37503	VCE0073-T	CAPACITOR	1	F4D55473A005
C37504	ECJ1VF1C104Z	16V 0.1U	1	
C37546	ECJ1VF1C104Z	16V 0.1U	1	
C37562	ECJ2YB0J475K	6.3V 4.7U	1	F1J0J475A008
C37563	ECJ1VC1H101J	50V 100P	1	
C37565	ECJ2YB0J475K	6.3V 4.7U	1	F1J0J475A008

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C37566,67	ECJ1XB1C104K	16V 0.1U	2	
C37569	ECJ1VF1C104Z	16V 0.1U	1	
C37579-82	ECJ1VC1H100C	50V 10P	4	
C37583	ECJ1VC1H101J	50V 100P	1	
C37584,85	ECJ1VC1H270J	50V 27P	2	
C37586,87	ECJ1VC1H180J	50V 18P	2	
C37588	ECJ1VF1H103Z	50V 0.01U	1	
C37589	ECJ1VF1C104Z	16V 0.1U	1	
C37591	ECJ1VF1C104Z	16V 0.1U	1	
C37592,93	ECJ1VC1H100C	50V 10P	2	
C37595	ECJ1VF1C104Z	16V 0.1U	1	
C37596	ECJ1VC1H470J	50V 47P	1	
C37597	ECJ1VB1H103K	50V 0.01U	1	
C37598	ECJ1VC1H470J	50V 47P	1	
C37599	ECJ1XB1C104K	16V 0.1U	1	
C37600	ECJ1VC1H470J	50V 47P	1	
C37601	ECJ1XB1C104K	16V 0.1U	1	
C37602,03	ECJ1VF1H103Z	50V 0.01U	2	
C37604	ECJ1VF1C104Z	16V 0.1U	1	
C37607	ECJ1VF1C104Z	16V 0.1U	1	
C37609,10	ECJ1VF1H103Z	50V 0.01U	2	
C37618	ECJ1VF1H103Z	50V 0.01U	1	
C37620	ECJ1VF1H103Z	50V 0.01U	1	
C37626	ECJ1VF1H103Z	50V 0.01U	1	
C37633	ECEA0JKS331	6.3V 330U	1	
C37636	ECJ1VF1A105Z	10V 1U	1	
C37639	ECJ1VF1C104Z	16V 0.1U	1	
C37651	F2A0J470A012	6.3V 47U	1	
C37652	ECJ1VF1C104Z	16V 0.1U	1	
D11110	ERZVA5V471	SURGE ABSORBER	1	⚠
D11141	B0EBKT000006	DIODE	1	
D11151	B0HAGM000006	DIODE	1	
D11152	MA8091MTX	DIODE	1	MAZ80910ML
D11153	MA165TA5	DIODE	1	MA2C16500E
D11155	MAZ73000BC	DIODE	1	
D11156	B0BB20000004	DIODE	1	
D11157	ERA22-06	DIODE	1	B0HAGR000001
D11158	MAZ73000BC	DIODE	1	
D11270	B0JBSG000010	DIODE	1	
D11280,81	B0JAMK000004	DIODE	2	
D11400	MA2Q73800L	DIODE	1	
D11401	MA2J11100L	DIODE	1	
D11500	MA2Q73800L	DIODE	1	
D31400,01	MA2Q73800L	DIODE	2	
D37509	B0JACE000001	DIODE	1	
D37512	VLQ0599J680	COIL 68UH	1	G0C680JA0026
F11101	K5D202BK0005	FUSE	1	⚠
IC11150	C0DACZH00008	IC	1	
IC11200	C0DAEMB00003	IC	1	
IC11400	C0DBAZH00013	IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC11500	C0DAAJG00007	IC	1	
IC31400	C0DBAKG00005	IC	1	
IC31401	C0DAAJG00007	IC	1	
IC31505	C0CBCDD00008	IC	1	
IC31506	C0DBAHG00013	IC	1	
IC31507	C0CBCDD00006	IC	1	
IC31508	C0DBEGD00002	IC	1	
IC31509	C0DBEFG00003	IC	1	
IC31510	C0DBEGG00003	IC	1	
IC37501	C2CBJG000358	IC	1	
IC37502	C3EBJC000038	IC	1	
IC37503	C0EBH0000172	IC	1	
IC37505	C0EBE0000194	IC	1	
IC37506	C0ABBA000146	IC	1	
IC37508	C0EBE0000218	IC	1	
IP11400	K5H3022A0013	IC PROTECTOR	1	⚠
IP11500	K5H3022A0013	IC PROTECTOR	1	⚠
IP31400,01	K5H2022A0011	IC PROTECTOR	2	⚠
L11120,21	G0B233D00001	COIL	2	⚠
L11270	G0A100H00011	COIL 10UH	1	
L11271	G0A220G00018	COIL 22UH	1	
L11280	G0A220G00018	COIL 22UH	1	
L11400	G0A100H00014	COIL 10UH	1	
L11401	G0A220ZA0030	COIL 22UH	1	
L11402	G0A100H00011	COIL 10UH	1	
L11500	G0A100H00014	COIL 10UH	1	
L11501	G0A470ZA0030	COIL 47UH	1	
L31001	G0A220G00018	COIL 22UH	1	
L31400	G0A220G00018	COIL 22UH	1	
L31401	G0A330ZA0030	COIL 33UH	1	
L31402	G0A470ZA0030	COIL 47UH	1	
LB11122	J0JKB0000003	COIL	1	
LB11127	J0JHC0000012	COIL	1	
LB11400,01	ERJ6GEY0R00V	1/8W 0	2	
LB11402-04	J0JHC0000012	COIL	3	
LB31001-07	J0JHC0000032	COIL	7	
LB31401	J0JHC0000012	COIL	1	
LB31902-04	J0JHC0000032	COIL	3	
LB34001-03	J0JCC0000103	COIL	3	
LB34004	ERJ3GEY0R00V	1/10W 0	1	
LB37402	J0JHC0000032	COIL	1	
LB37501	ERJ3GEY0R00V	1/10W 0	1	
LB37506,07	ERJ3GEY0R00V	1/10W 0	2	
LB37508	VLP0175	COIL	1	J0JCC0000060
LB37509	ERJ3GEY0R00V	1/10W 0	1	
P11101	K2AA2H000007	AC INLET	1	⚠
P11103	K1KA04A00192	CONNECTOR(4P)	1	
P31901	K1KA13A00074	CONNECTOR(13P)	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
P31902,03	K1KA19A00007	CONNECTOR(19P)	2	
P31904	K1KA13A00074	CONNECTOR(13P)	1	
P31905	K1KA07A00083	CONNECTOR(7P)	1	
P37503	K1KA03A00173	CONNECTOR(3P)	1	
P39702	K1KA88A00003	CONNECTOR(88P)	1	
PP31903	K1KB08B00043	CONNECTOR(8P)	1	
PP31904	K1KB10B00045	CONNECTOR(FEMALE) 10P	1	
Q11200	PC123ZY2	TRANSISTOR	1	B3PBA0000078 ⚠
Q11270	B1DHDD000022	TRANSISTOR	1	
Q31401	B1DHDD000022	TRANSISTOR	1	
Q37401-04	2SD0601A	TRANSISTOR	4	
Q37505	2SB1218A	TRANSISTOR	1	
Q37506	2SD1819AWL	TRANSISTOR	1	
Q37507	2SB1218A	TRANSISTOR	1	
Q37508	2SD1819AWL	TRANSISTOR	1	
Q37512	2SD0874A0L	TRANSISTOR	1	
QR11300,01	UNR221300L	TRANSISTOR	2	
QR31300	UNR221300L	TRANSISTOR	1	
QR31301	XN4213	TRANSISTOR	1	XN04213
QR34001,02	XN0421100L	TRANSISTOR	2	
QR37401	UN5211	TRANSISTOR	1	UNR5211
QR37501	UN5113TW	TRANSISTOR	1	
QR37502	UN5212TX	TRANSISTOR	1	UNR521200L
R11150,51	ERJ6GEYJ470V	1/8W 47	2	
R11152	ERJ6GEYJ133V	1/8W 13K	1	
R11154	ERJ6GEYG331	1/8W 330	1	
R11155	ERJ6GEYG912	1/8W 9.1K	1	
R11156	ERJ6GEYG133	1/8W 13K	1	
R11157	ERJ6GEY0R00V	1/8W 0	1	
R11158	ERJ6GEYJ102V	1/8W 1K	1	
R11159	ERJ6GEY0R00V	1/8W 0	1	
R11200	ERJ6GEYJ821V	1/8W 820	1	
R11201	ERJ6GEYJ103V	1/8W 10K	1	
R11202	ERJ6GEY0R00V	1/8W 0	1	
R11204	ERJ6GEYG912	1/8W 9.1K	1	
R11205	ERJ6RBD273	1/10W 27K	1	
R11206	ERJ6GEYG272V	1/8W 2.7K	1	
R11209,10	ERJ6GEYJ102V	1/8W 1K	2	
R11211	ERJ6GEYG112	1/8W 1.1K	1	
R11270	ERJ6GEYJ472V	1/8W 4.7K	1	
R11280-87	ERJ8GEYJ121V	1/4W 120	8	
R11400	ERJ6GEYJ470V	1/8W 47	1	
R11401	ERJ6RED134	1/10W 8.2K	1	
R11402	ERJ6GEYJ104V	1/8W 100K	1	
R11403	ERJ6GEYG105	1/8W 1M	1	
R11404	ERJ6RBB472	1/10W 4.7K	1	
R11405	ERJ6GEYJ3R3V	1/8W 3.3	1	D0GD3R3JA003
R11406	ERJ6RBD271	1/10W 270	1	
R11407	ERJ6RBD102	1/10W 1K	1	
R11408-10	D1BDR1800001	1/10W 18	3	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R11411	ERJ6RBD102	1/10W 1K	1	
R11412	ERJ6RBD271	1/10W 270	1	
R11413	ERJ6GEYJ103V	1/8W 10K	1	
R11414,15	ERJ6RBD222	1/10W 2.2K	2	
R11416	ERJ6RBD112	1/10W 1.1K	1	
R11501	ERJ6GEYJ104V	1/8W 100K	1	
R11502	ERJ6RBD512	1/10W 5.1K	1	
R11503	ERJ6RBD391	1/10W 390	1	
R11504	ERJ6RBD102	1/10W 1K	1	
R31401	D1BFR039A010	1/10W 39	1	
R31402	ERJ6GEY0R00V	1/8W 0	1	
R31403	ERJ6GEYJ103V	1/8W 10K	1	
R31404	ERJ6RBD123	1/10W 12K	1	
R31406	ERJ6GEYJ104V	1/8W 100K	1	
R31407	ERJ6RBD302	1/10W 3K	1	
R31409	ERJ6RBD102	1/10W 1K	1	
R31410	ERJ6RBD822V	1/10W 8.2K	1	
R31411	ERJ6ENF3300	1/8W 3.3K	1	ERJ6RBD331V
R31412	ERJ6GEYJ513V	1/8W 51K	1	
R31504	ERDS2FJ271	1/4W 270	1	
R31506	ERDS2FJ271	1/4W 270	1	
R31507	ERJ3RED330	1/16W 33	1	
R31508	ERJ3RBD201	1/16W 200	1	
R31509	ERJ3RBD102V	1/16W 1K	1	
R31510	ERJ3RED220	1/16W 22	1	
R31511	ERJ3RBD182V	1/16W 1.8K	1	
R31512	ERJ3RBD202	1/16W 2K	1	
R34043,44	ERJ3GEY0R00V	1/10W 0	2	
R34049,50	ERJ3GEYJ103V	1/10W 10K	2	D0GB103JA002
R37401	ERJ3GEYJ333V	1/10W 33K	1	D0GB333JA002
R37402	ERJ3GEYJ223V	1/10W 22K	1	D0GB223JA002
R37403	ERJ3GEYJ102V	1/10W 1K	1	
R37404	ERJ3GEYJ472V	1/10W 4.7K	1	
R37405	ERJ3GEYJ333V	1/10W 33K	1	D0GB333JA002
R37406	ERJ3GEYJ223V	1/10W 22K	1	D0GB223JA002
R37407	ERJ3GEYJ102V	1/10W 1K	1	
R37408	ERJ3GEYJ333V	1/10W 33K	1	D0GB333JA002
R37409	ERJ3GEYJ223V	1/10W 22K	1	D0GB223JA002
R37410	ERJ3GEYJ102V	1/10W 1K	1	
R37411	ERJ3GEYJ333V	1/10W 33K	1	D0GB333JA002
R37412	ERJ3GEYJ102V	1/10W 1K	1	
R37413	ERJ3GEYJ223V	1/10W 22K	1	D0GB223JA002
R37501	ERJ3GEYJ101	1/10W 100	1	D0GB101JA002
R37502	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R37503	ERJ3GEYJ101	1/10W 100	1	D0GB101JA002
R37504	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R37505	ERJ3GEYJ392V	1/10W 3.9K	1	
R37508	ERJ3GEYJ104	1/10W 100K	1	
R37516	ERJ3GEYJ102V	1/10W 1K	1	
R37517	ERJ3GEYJ104	1/10W 100K	1	
R37519	ERJ3GEYJ102V	1/10W 1K	1	
R37520	ERJ3GEYJ104	1/10W 100K	1	
R37521	ERJ3GEYG152	1/10W 1.5K	1	
R37522	ERJ3GEYG562V	1/10W 5.6K	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R37523	ERJ3GEYD153V	1/10W 15K	1	D0HB153ZA002
R37530-33	ERJ3GEYJ473V	1/10W 47K	4	D0GB473JA002
R37534-37	ERJ3GEYJ101	1/10W 100	4	D0GB101JA002
R37538	ERJ3GEYJ472V	1/10W 4.7K	1	
R37539	ERJ3GEY0R00V	1/10W 0	1	
R37540	ERJ3GEYJ332V	1/10W 3.3K	1	D0GB332JA002
R37541	ERJ3GEY0R00V	1/10W 0	1	
R37542	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R37544,45	ERJ3GEYJ221V	1/10W 220	2	
R37546,47	ERJ3GEYJ472V	1/10W 4.7K	2	
R37548	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R37549	ERJ3GEYJ511	1/10W 510	1	
R37550,51	ERJ3GEYJ202V	1/10W 2K	2	
R37552	ERJ3GEY0R00V	1/10W 0	1	
R37554	ERJ3GEYJ101	1/10W 100	1	D0GB101JA002
R37556	ERJ3GEYJ101	1/10W 100	1	D0GB101JA002
R37557	ERJ3GEY0R00V	1/10W 0	1	
R37558,59	ERJ3GEYJ101	1/10W 100	2	D0GB101JA002
R37561	ERDS2TJ392	1/4W 3.9K	1	
R37562	ERJ3GEYJ101	1/10W 100	1	D0GB101JA002
R37569	ERJ3GEYJ101	1/10W 100	1	D0GB101JA002
R37571,72	ERJ3GEYJ101	1/10W 100	2	D0GB101JA002
R37573	ERJ3GEYJ181V	1/10W 180	1	
R37575	ERJ3GEYJ104	1/10W 100K	1	
R37577,78	ERJ3GEYJ101	1/10W 100	2	D0GB101JA002
R37581	ERJ3GEYG393V	1/10W 39K	1	
R37582	ERJ3GEYG433	1/10W 43K	1	
R37583,84	ERJ3GEYJ473V	1/10W 47K	2	D0GB473JA002
R37585	ERJ3GEYJ223V	1/10W 22K	1	D0GB223JA002
R37596	ERJ3GEYJ473V	1/10W 47K	1	D0GB473JA002
R37597	ERJ3GEYD153V	1/10W 15K	1	D0HB153ZA002
R37599	ERJ3GEYJ223V	1/10W 22K	1	D0GB223JA002
R37600	ERJ3GEYD153V	1/10W 15K	1	D0HB153ZA002
R37601	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R37602	ERJ3GEYJ821V	1/10W 820	1	
R37603	ERJ3GEYJ183V	1/10W 18K	1	D0GB183JA002
R37604-06	ERJ3GEYJ822V	1/10W 8.2K	3	D0GB822JA002
R37612	ERJ3GEYJ681V	1/10W 680	1	D0GB681JA002
R37633	ERJ3GEYJ223V	1/10W 22K	1	D0GB223JA002
R37635	ERJ3GEYJ101	1/10W 100	1	D0GB101JA002
R39701	ERJ3GEYJ101	1/10W 100	1	D0GB101JA002
T11150	G4D3A0000151	SWITCHING TRANSFORMERS	1	⚠
W301	ERJ6GEY0R00V	1/8W 0	1	
W302-04	ERJ3GEY0R00V	1/10W 0	3	
W305	ERJ6GEY0R00V	1/8W 0	1	
W306,07	ERJ3GEY0R00V	1/10W 0	2	
W308	ERJ6GEY0R00V	1/8W 0	1	
W309,10	ERJ3GEY0R00V	1/10W 0	2	
W311-14	ERJ6GEY0R00V	1/8W 0	4	
W315	ERJ3GEY0R00V	1/10W 0	1	
W316	ERJ6GEY0R00V	1/8W 0	1	
W317-21	ERJ3GEY0R00V	1/10W 0	5	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
W322	ERJ6GEY0R00V	1/8W 0	1	
X37501	VSX1043-T	CRYSTAL OSCILLATOR	1	H0D100500006
X37502	H0A327200026	OSCILLATOR	1	
ZA11103,04	K3GD9BB00001	FUSE HOLDER	2	
ZA11150	VSC5603	HEAT SINK	1	
ZA11270	VSC5614	HEAT SINK	1	
ZJ37401	VJR0978	EARTH ANGLE	1	K9ZZ00000424
ZJ37404-07	VJR0978	EARTH ANGLE	4	K9ZZ00000424
■	09	VEP07A74C		(FL DRIVE P.C.B.)
C7501	ECJ1VF1C104Z	16V 0.1U	1	
C7502	ECEA0JKA470	6.3V 47U	1	
C7505	ECJ1VF1A105Z	10V 1U	1	
C7525	ECJ1VC1H101J	50V 100P	1	
D7501	B3ABA0000402	DIODE	1	
D7507	B3AAA0000540	DIODE	1	
DP7501	A2BB00000133	FL DISPLAY TUBE	1	
IC7502	C0HBB0000033	IC	1	
L7501	G0C220JA0019	COIL 22UH	1	
LB7501,02	ERJ3GEY0R00V	1/10W 0	2	
PP7501	K1KA10B00176	CONNECTOR(10P)	1	
PP7502,03	K1KA08B00210	CONNECTOR(8P)	2	
Q7501	2SD1819AWL	TRANSISTOR	1	
QR7501	UN5211	TRANSISTOR	1	UNR5211
QR7510	UN5211	TRANSISTOR	1	UNR5211
R7501	ERJ3GEYJ122	1/10W 1.2K	1	
R7502	ERJ3GEYJ152V	1/10W 1.5K	1	
R7504	ERJ3GEYJ122	1/10W 1.2K	1	
R7505	ERJ3GEYJ273V	1/10W 27K	1	D0GB273JA002
R7506	ERJ3GEYJ222V	1/10W 2.2K	1	D0GB222JA002
R7507	ERJ3GEYJ332V	1/10W 3.3K	1	D0GB332JA002
R7508	ERJ6GEYJ221V	1/8W 220	1	
R7510	ERDS2FJ5R6	1/4W 5.6	1	
R7512	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R7513	ERJ3GEYJ683V	1/10W 68K	1	D0GB683JA002
R7514	ERJ3GEY0R00V	1/10W 0	1	
R7515	ERJ3GEYJ101	1/10W 100	1	D0GB101JA002
R7526,27	ERJ3GEYJ101	1/10W 100	2	D0GB101JA002
R7539	ERJ6GEYJ221V	1/8W 220	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
S7501	EVQ11G04M	SWITCH,DVD OPEN/CLOSE	1	
S7502	EVQ11G07K	SWITCH,TO DVD	1	
S7503	EVQ11G07K	SWITCH,TO VHS	1	
S7504	EVQ11G07K	SWITCH,DVD REC	1	
S7505	EVQ11G07K	SWITCH,DVD CH-UP	1	
S7506	EVQ11G07K	SWITCH,DVD CH-DOWN	1	
S7507	EVQ11G07K	SWITCH,DVD PLAY	1	
S7508	EVQ11G07K	SWITCH,DVD STOP	1	
W501-07	ERJ3GEY0R00V	1/10W 0	7	
■	10	VEP04868C		(FRONT JACK P.C.B.)
C4801	ECJ1VF1H103Z	50V 0.01U	1	
C4802	ECJ1VF1C104Z	16V 0.1U	1	
C4803,04	ECJ1VC1H101J	50V 100P	2	
C4805,06	ECJ1VB1H102K	50V 1000P	2	
C7801	ECJ1VF1C104Z	16V 0.1U	1	
IC7801	PNA4618M12VT	IC	1	
JK4801	K2HA307A0003	JACK,AV3	1	
JK4802	K2HZ107A0001	JACK,S-VIDEO IN	1	
LB4801-03	ERJ3GEY0R00V	1/10W 0	3	
PP4801	K1KA12B00129	CONNECTOR(12P)	1	
R4801-03	ERJ3EKF75R0	1/10W 75	3	
R4804	ERJ3GEYJ102V	1/10W 1K	1	
R4805,06	ERJ3GEYJ471V	1/10W 470	2	
R7801	ERJ3GEYJ221V	1/10W 220	1	
R7802	ERJ3GEYJ182V	1/10W 1.8K	1	
R7803	ERJ3GEYJ332V	1/10W 3.3K	1	D0GB332JA002
R7804	ERJ3GEYJ472V	1/10W 4.7K	1	
R7806	ERJ3GEYJ682V	1/10W 6.8K	1	D0GB682JA002
R7807	ERJ3GEYJ182V	1/10W 1.8K	1	
R7808	ERJ3GEYJ332V	1/10W 3.3K	1	D0GB332JA002
R7809	ERJ3GEYJ472V	1/10W 4.7K	1	
R7810	ERJ3GEYJ682V	1/10W 6.8K	1	D0GB682JA002
R7812	ERJ3GEYJ123V	1/10W 12K	1	
S7801	EVQ11G07K	SWITCH,VHS CH-UP	1	
S7802	EVQ11G07K	SWITCH,VHS STOP	1	
S7803	EVQ11G07K	SWITCH,VHS SKIP-R	1	
S7805	EVQ11G07K	SWITCH,VHS FF	1	
S7806	EVQ11G07K	SWITCH,VHS POWER	1	
S7807	EVQ11G07K	SWITCH,VHS REC	1	
S7808	EVQ11G07K	SWITCH,VHS STOP	1	
S7809	EVQ11G07K	SWITCH,VHS CH-DOWN	1	
S7810	EVQ11G07K	SWITCH,VHS SKIP-F	1	
S7812	EVQ11G07K	SWITCH,VHS REW	1	
S7813	EVQ11G07K	SWITCH,VHS EJECT	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
■	11	VEP03G68A/B		(I/O P.C.B.)
C43701	ECJ1VB1H103K	50V 0.01U	1	
C43702,03	ECJ1VB0J105K	6.3V 1U	2	
C43707,08	ECEA0JKN470	6.3V 47U	2	
C43709,10	ECJ1XB1C104K	16V 0.1U	2	
C43711	ECJ1VB0J105K	6.3V 1U	1	
C43712	F2A0J221A245	6.3V 220U	1	
C43713	ECJ1VB1H103K	50V 0.01U	1	
C43720	F2A0J102A247	6.3V 1000U	1	
C43721	F2A0J101A245	6.3V 100U	1	
C43722,23	ECEA0JKS331	6.3V 330U	2	
C44001,02	ECJ1VF1H103Z	50V 0.01U	2	
C44003-06	F2A1H1R0A234	50V 1U	4	
C44007	ECEA1HKA4R7	50V 4.7U	1	EB
C44008,09	F2A1V100A184	35V 10U	2	EB
C44011	ECJ1VB1H103K	50V 0.01U	1	
C44013,14	F2A1H1R0A234	50V 1U	2	
C44016	F2A1C221A019	16V 220U	1	
C44017	ECJ1XC1H820J	50V 82	1	ECJ1VC1H820J EB
C44019	ECJ1XC1H820J	50V 82	1	ECJ1VC1H820J EB
C44022	ECJ1VF1C104Z	16V 0.1U	1	
C44023	F2A1C471A236	16V 470U	1	
C44026,27	F2A1H1R0A234	50V 1U	2	
C44031,32	ECJ1VC1H151J	50V 150P	2	
C44033	ECJ1VF1C104Z	16V 0.1U	1	
C44036	F2A1C4700011	16V 47U	1	
C44037	F2A1C221A019	16V 220U	1	
C44038	F2A1C4700011	16V 47U	1	
C44043	ECJ1VF1C104Z	16V 0.1U	1	
C44044	F2A1C102A236	16V 1000U	1	
C44045,46	ECJ1VF1C104Z	16V 0.1U	2	
C44047	ECQV1H104JL	50V 0.1U	1	
C44049	F2A0J471A247	6.3V 470U	1	
C44050	ECQV1H104JL	50V 0.1U	1	
C44052	F2A1C471A236	16V 470U	1	
C44058	ECQV1H104JL	50V 0.1U	1	
C44501-03	F2A1V100A184	35V 10U	3	
C44504	ECJ1VF1H103Z	50V 0.01U	1	
C44505	F2A1V100A184	35V 10U	1	
C44507,08	F2A1V100A184	35V 10U	2	
C44509	ECEA1AKS101	10V 100U	1	
C47425,26	ECJ1VB0J105K	6.3V 1U	2	
C47427	ECEA1CKS100	16V 10U	1	
C47428	ECJ1VF1H103Z	50V 0.01U	1	
C47458-60	ECEA1CKS100	16V 10U	3	
C47461	ECEA1AKS101	10V 100U	1	
C47462	ECEA1CKA470	16V 47U	1	
C47463	ECJ1VF1H103Z	50V 0.01U	1	
C47464	ECEA1CKS100	16V 10U	1	
D44501	MA3Z142D0RG	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC43701	C1AB00001486	IC	1	
IC43702	C9ZB00000377	IC	1	
IC44001	C1AB00001920	IC	1	
IC44002	NJM3414AMTE1	IC	1	C0ABBA000054
IC44003	C0CBCDC00028	IC	1	
IC44004	C0CBCDC00026	IC	1	
IC44005	C0CBCDC00027	IC	1	
IC44501	NJM4558M	IC	1	C0ABBB000044
IC44502	C0JBAR000285	IC	1	
IC47403	C1AB00001486	IC	1	
IC47406	C0JBAR000285	IC	1	
IC47407	NJM4558M	IC	1	C0ABBB000044
L47402	G0C220JA0019	COIL 22UH	1	
L47405	G0C220JA0019	COIL 22UH	1	
LB43701	J0JHC0000032	COIL	1	
PS43001-03	VJS3186B018	CONNECTOR(FEMALE)18P	3	K1KB18B00016
Q43701,02	2SB1218A	TRANSISTOR	2	
Q44501,02	2SD132800L	TRANSISTOR	2	
QR43702,03	UN5212TX	TRANSISTOR	2	UNR521200L
QR44501	UN5213TX	TRANSISTOR	1	UNR521300L
QR47403	UN5213TX	TRANSISTOR	1	UNR521300L
R43701	ERJ3RBD182V	1/16W 1.8K	1	
R43702	ERJ3RED680	1/16W 68	1	ERJ3RED680V
R43703	ERJ3RBD182V	1/16W 1.8K	1	
R43704	ERJ3RED680	1/16W 68	1	ERJ3RED680V
R43705,06	ERJ3GEYJ102V	1/10W 1K	2	
R44001	ERJ3GEY0R00V	1/10W 0	1	EG
R44001	ERJ3GEYJ335V	1/10W 3.3M	1	EB
R44003-06	ERJ3GEYJ823V	1/10W 82K	4	D0GB823JA002
R44011,12	ERJ3GEYJ102V	1/10W 1K	2	
R44013,14	ERJ3GEY0R00V	1/10W 0	2	
R44015,16	ERJ3GEYJ473V	1/10W 47K	2	D0GB473JA002
R44017,18	ERJ3GEY0R00V	1/10W 0	2	
R44024,25	ERJ3GEYJ101	1/10W 100	2	D0GB101JA002
R44027	JAR0816P123D	1/16W 12K	1	D0HB123ZA002 EB
R44029	JAR0816P123D	1/16W 12K	1	D0HB123ZA002 EB
R44031,32	ERJ3GEYJ102V	1/10W 1K	2	
R44054,55	JAR0816P682D	1/16W 6.8K	2	D0HB682ZA002
R44057,58	JAR0816P682D	1/16W 6.8K	2	D0HB682ZA002
R44059,60	ERJ3GEYJ473V	1/10W 47K	2	D0GB473JA002
R44074,75	JAR0816P123D	1/16W 12K	2	D0HB123ZA002 EB
R44080,81	ERJ3GEYJ681V	1/10W 680	2	D0GB681JA002
R44501,02	ERJ3GEYJ272V	1/10W 2.7K	2	
R44503,04	ERJ3GEYJ104	1/10W 100K	2	
R44505	ERJ3GEYJ102V	1/10W 1K	1	
R44506	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R44509,10	ERJ3GEYJ104	1/10W 100K	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R44511	ERJ3GEYJ102V	1/10W 1K	1	
R47423	ERJ3GEY0R00V	1/10W 0	1	
R47424,25	ERJ3GEYJ104	1/10W 100K	2	
R47426	ERJ3GEY0R00V	1/10W 0	1	
R47427,28	ERJ3GEYJ102V	1/10W 1K	2	
R47429	ERJ3GEYJ473V	1/10W 47K	1	D0GB473JA002
R47430,31	ERJ3GEYJ104	1/10W 100K	2	
W501	ERJ3GEY0R00V	1/10W 0	1	

25. Schematic DIagram for printing with A4 size

IC Pin Terminal Chart (TC 1 - TC 8)

TC	IC3404 / AVENC		SIGNAL NAME	IC3402 / SDRAM	
	Port Name	Pin No		Pin No	Port Name
1	ARDQ0	334	MADQB0	2	DQ0
	ARDQ1	335	MADQB1	3	DQ1
	ARDQ2	336	MADQB2	5	DQ2
	ARDQ3	2	MADQB3	6	DQ3
	ARDQ4	4	MADQB4	8	DQ4
	ARDQ5	5	MADQB5	9	DQ5
	ARDQ6	7	MADQB6	11	DQ6
	ARDQ7	9	MADQB7	12	DQ7
	ARDQ8	16	MADQB8	39	DQ8
	ARDQ9	17	MADQB9	40	DQ9
	ARDQ10	19	MADQB10	42	DQ10
	ARDQ11	20	MADQB11	43	DQ11
	ARDQ12	22	MADQB12	45	DQ12
	ARDQ13	23	MADQB13	46	DQ13
	ARDQ14	25	MADQB14	48	DQ14
	ARDQ15	26	MADQB15	49	DQ15
	ARA0	28	MAB0	21	A0
	ARA1	29	MAB1	22	A1
	ARA2	31	MAB2	23	A2
	ARA3	32	MAB3	24	A3
	ARA4	34	MAB4	27	A4
	ARA5	35	MAB5	28	A5
	ARA6	37	MAB6	29	A6
	ARA7	38	MAB7	30	A7
	ARA8	41	MAB8	31	A8
	ARA9	42	MAB9	32	A9
	ARA10	44	MAB10	20	A10
	ARA11	45	BAOS D	19	A11

TC	IC3404 / AV ENC		SIGNAL NAME	IC3408 / SDRAM	
	Port Name	Pin No		Pin No	Port Name
2	MDQ0	88	MDQA0	2	DQ0
	MDQ1	89	MDQA1	4	DQ1
	MDQ2	91	MDQA2	5	DQ2
	MDQ3	92	MDQA3	7	DQ3
	MDQ4	93	MDQA4	8	DQ4
	MDQ5	95	MDQA5	10	DQ5
	MDQ6	96	MDQA6	11	DQ6
	MDQ7	97	MDQA7	13	DQ7
	MDQ8	99	MDQA8	74	DQ8
	MDQ9	100	MDQA9	76	DQ9
	MDQ10	101	MDQA10	77	DQ10
	MDQ11	103	MDQA11	79	DQ11
	MDQ12	104	MDQA12	80	DQ12
	MDQ13	105	MDQA13	82	DQ13
	MDQ14	108	MDQA14	83	DQ14
	MDQ15	109	MDQA15	85	DQ15
	MDQ16	115	MDQA16	31	DQ16
	MDQ17	116	MDQA17	33	DQ17
	MDQ18	118	MDQA18	34	DQ18
	MDQ19	119	MDQA19	36	DQ19
	MDQ20	120	MDQA20	37	DQ20
	MDQ21	122	MDQA21	39	DQ21
	MDQ22	123	MDQA22	40	DQ22
	MDQ23	124	MDQA23	42	DQ23
	MDQ24	127	MDQA24	45	DQ24
	MDQ25	128	MDQA25	47	DQ25
	MDQ26	129	MDQA26	48	DQ26
	MDQ27	131	MDQA27	50	DQ27
	MDQ28	132	MDQA28	51	DQ28
	MDQ29	133	MDQA29	53	DQ29
	MDQ30	135	MDQA30	54	DQ30
	MDQ31	136	MDQA31	56	DQ31
	MA0	147	MAA0	25	A0
	MA1	148	MAA1	26	A1
	MA2	149	MAA2	27	A2
	MA3	152	MAA3	60	A3
	MA4	153	MAA4	61	A4
	MA5	154	MAA5	62	A5
	MA6	156	MAA6	63	A6
	MA7	157	MAA7	64	A7
	MA8	158	MAA8	65	A8
	MA9	160	MAA9	66	A9
	MA10	161	MAA10	24	A10

TC	IC3501 / RTSC		SIGNAL NAME	FP3501 (TO DVD RAM&HDD	
	Port Name	Pin No		Pin No	Port Name
3	IHDD0	251	RAMD0	24	DD0
	IHDD1	250	RAMD1	26	DD1
	IHDD2	249	RAMD2	28	DD2
	IHDD3	248	RAMD3	30	DD3
	IHDD4	246	RAMD4	32	DD4
	IHDD5	245	RAMD5	34	DD5
	IHDD6	244	RAMD6	36	DD6
	IHDD7	243	RAMD7	38	DD7
	IHDD8	239	RAMD8	37	DD8
	IHDD9	238	RAMD9	35	DD9
	IHDD10	237	RAMD10	33	DD10
	IHDD11	236	RAMD11	31	DD11
	IHDD12	235	RAMD12	29	DD12
	IHDD13	233	RAMD13	27	DD13
	IHDD14	232	RAMD14	25	DD14
	IHDD15	231	RAMD15	23	DD15

TC	IC3404 / AVENC		SIGNAL NAME	IC6001 / AV DEC&MAIN CPU	
	Port Name	Pin No		Pin No	Port Name
4	R656OUT0	296	R656ENC0	278	VDIN0
	R656OUT1	297	R656ENC1	277	VDIN1
	R656OUT2	298	R656ENC2	272	VDIN2
	R656OUT3	299	R656ENC3	271	VDIN3
	R656OUT4	301	R656ENC4	270	VDIN4
	R656OUT5	302	R656ENC5	269	VDIN5
	R656OUT6	303	R656ENC6	268	VDIN6
	R656OUT7	304	R656ENC7	266	VDIN7

TC	IC6001/AV DEC&MAIN CPU		SIGNAL NAME	IC3404 / AVENC	
	Port Name	Pin No		Pin No	Port Name
5	VDOUT0	289	R656DEC0	283	R656IN0
	VDOUT1	288	R656DEC1	284	R656IN1
	VDOUT2	286	R656DEC2	285	R656IN2
	VDOUT3	285	R656DEC3	286	R656IN3
	VDOUT4	284	R656DEC4	288	R656IN4
	VDOUT5	283	R656DEC5	289	R656IN5
	VDOUT6	282	R656DEC6	290	R656IN6
	VDOUT7	281	R656DEC7	291	R656IN7

TC	IC3501 / RTSC		SIGNAL NAME	IC6001/AV DEC&MAIN CPU	
	Port Name	Pin No		Pin No	Port Name
6	B3DATA0	46	STD0	251	STD0
	B3DATA1	47	STD1	250	STD1
	B3DATA2	48	STD2	249	STD2
	B3DATA3	49	STD3	248	STD3
	B3DATA4	53	STD4	247	STD4
	B3DATA5	54	STD5	245	STD5
	B3DATA6	55	STD6	244	STD6
	B3DATA7	56	STD7	243	STD7

TC	IC3404 / AVENC		SIGNAL NAME	IC3501 / RTSC	
	Port Name	Pin No		Pin No	Port Name
7	CD0	229	ED0	27	B2DATA0
	CD1	230	ED1	28	B2DATA1
	CD2	231	ED2	30	B2DATA2
	CD3	233	ED3	31	B2DATA3
	CD4	234	ED4	33	B2DATA4
	CD5	235	ED5	34	B2DATA5
	CD6	238	ED6	36	B2DATA6
	CD7	239	ED7	37	B2DATA7

TC	IC6701 / GLUE		SIGNAL NAME	IC6703 / DATA STRAGE	
	Port Name	Pin No		Pin No	Port Name
8	ECCD0	67	DE0	29	D0
	ECCD1	70	DE1	30	D1
	ECCD2	69	DE2	31	D2
	ECCD3	68	DE3	32	D3
	ECCD4	71	DE4	41	D4
	ECCD5	74	DE5	42	D5
	ECCD6	73	DE6	43	D6
	ECCD7	72	DE7	44	D7

IC Pin Terminal Chart (TC9 - TC12)

TC	IC6001 / AV DEC&MAIN CPU		SIGNAL NAME	IC50001 / SDRAM	
	Port Name	Pin No		Pin No	Port Name
9	MDQM0	343	DQ0	2	DQ0
	MDQM1	346	DQ1	4	DQ1
	MDQM2	348	DQ2	5	DQ2
	MDQM3	350	DQ3	7	DQ3
	MDQM4	353	DQ4	8	DQ4
	MDQM5	355	DQ5	10	DQ5
	MDQM6	358	DQ6	11	DQ6
	MDQM7	360	DQ7	13	DQ7
	MDQM8	359	DQ8	42	DQ8
	MDQM9	356	DQ9	44	DQ9
	MDQM10	354	DQ10	45	DQ10
	MDQM11	352	DQ11	47	DQ11
	MDQM12	349	DQ12	48	DQ12
	MDQM13	347	DQ13	50	DQ13
	MDQM14	344	DQ14	51	DQ14
	MDQM15	342	DQ15	53	DQ15
	MAM0	317	A0	23	A0
	MAM1	320	A1	24	A1
	MAM2	322	A2	25	A2
	MAM3	328	A3	26	A3
	MAM4	330	A4	29	A4
	MAM5	332	A5	30	A5
	MAM6	331	A6	31	A6
	MAM7	329	A7	32	A7
	MAM8	323	A8	33	A8
	MAM9	321	A9	34	A9
	MAM10	318	A10	22	A10
	MAM11	316	A11	35	A11

TC	IC6001 / AV DEC&MAIN CPU		SIGNAL NAME	IC50002 / SDRAM	
	Port Name	Pin No		Pin No	Port Name
10	MDQM16	292	DQ16	2	DQ0
	MDQM17	295	DQ17	4	DQ1
	MDQM18	297	DQ18	5	DQ2
	MDQM19	299	DQ19	7	DQ3
	MDQM20	302	DQ20	8	DQ4
	MDQM21	304	DQ21	10	DQ5
	MDQM22	308	DQ22	11	DQ6
	MDQM23	310	DQ23	13	DQ7
	MDQM24	309	DQ24	42	DQ8
	MDQM25	305	DQ25	44	DQ9
	MDQM26	303	DQ26	45	DQ10
	MDQM27	301	DQ27	47	DQ11
	MDQM28	298	DQ28	48	DQ12
	MDQM29	296	DQ29	50	DQ13
	MDQM30	293	DQ30	51	DQ14
	MDQM31	291	DQ31	53	DQ15
	MAM0	317	A0	23	A0
	MAM1	320	A1	24	A1
	MAM2	322	A2	25	A2
	MAM3	328	A3	26	A3
	MAM4	330	A4	29	A4
	MAM5	332	A5	30	A5
	MAM6	331	A6	31	A6
	MAM7	329	A7	32	A7
	MAM8	323	A8	33	A8
	MAM9	321	A9	34	A9
	MAM10	318	A10	22	A10
	MAM11	316	A11	35	A11

TC	IC6001 / AV DEC&MAIN CPU		SIGNAL NAME	IC6005,IC6006 / W-MEMORY	
	Port Name	Pin No		Pin No	Port Name
11	MD0	118	MD0	2	DQ0
	MD1	121	MD1	4	DQ1
	MD2	123	MD2	5	DQ2
	MD3	125	MD3	7	DQ3
	MD4	128	MD4	8	DQ4
	MD5	130	MD5	10	DQ5
	MD6	133	MD6	11	DQ6
	MD7	135	MD7	13	DQ7
	MD8	134	MD8	42	DQ8
	MD9	131	MD9	44	DQ9
	MD10	129	MD10	45	DQ10
	MD11	127	MD11	47	DQ11
	MD12	124	MD12	48	DQ12
	MD13	122	MD13	50	DQ13
	MD14	119	MD14	51	DQ14
	MD15	117	MD15	53	DQ15
	MA0	160	MA0	23	A0
	MA1	163	MA1	24	A1
	MA2	165	MA2	25	A2
	MA3	167	MA3	26	A3
	MA4	166	MA4	29	A4
	MA5	164	MA5	30	A5
	MA6	161	MA6	31	A6
	MA7	159	MA7	32	A7
	MA8	156	MA8	33	A8
	MA9	153	MA9	34	A9
	MA10	157	MA10	22	A10
	MA11	151	MA11	35	A11
	MA12	147	MA12	36	NC
	MA13	154	MA13	21	A12
	MA14	152	MA14	20	A13

TC	IC3501 / RTSC		SIGNAL NAME	IC3502/ SDRAM	
	Port Name	Pin No		Pin No	Port Name
12	MDQ0	281	TR MADQB0	2	DQ0
	MDQ1	280	TR MADQB1	4	DQ1
	MDQ2	278	TR MADQB2	5	DQ2
	MDQ3	277	TR MADQB3	7	DQ3
	MDQ4	276	TR MADQB4	8	DQ4
	MDQ5	274	TR MADQB5	10	DQ5
	MDQ6	273	TR MADQB6	11	DQ6
	MDQ7	272	TR MADQB7	13	DQ7
	MDQ8	270	TR MADQB8	42	DQ8
	MDQ9	269	TR MADQB9	44	DQ9
	MDQ10	268	TR MADQB10	45	DQ10
	MDQ11	266	TR MADQB11	47	DQ11
	MDQ12	265	TR MADQB12	48	DQ12
	MDQ13	264	TR MADQB13	50	DQ13
	MDQ14	263	TR MADQB14	51	DQ14
	MDQ15	262	TR MADQB15	53	DQ15
	MADR0	10	TR MAB0	23	A0
	MADR1	9	TR MAB1	24	A1
	MADR2	8	TR MAB2	25	A2
	MADR3	6	TR MAB3	26	A3
	MADR4	5	TR MAB4	29	A4
	MADR5	4	TR MAB5	30	A5
	MADR6	3	TR MAB6	31	A6
	MADR7	2	TR MAB7	32	A7
	MADR8	302	TR MAB8	33	A8
	MADR9	300	TR MAB9	34	A9
	MADR10	299	TR MAB10	22	A10
	MADR11	297	TR MAB11	35	A11
	MADR12	293	TR MAB12	36	NC

SA0 - SA25 ADDRESS BUS LINE (TC13, TC14-1, TC15-1, TC17, TC18-1, TC20)

TC	13		14-1		15-1		17		18-1		20	
SIGNAL NAME	IC3404 / AVENC		IC6701 / GLUE		IC6001 / AVDEC&MAIN CPU		IC6004 / BUFFER		IC6003 / LOADER		IC3501 / RTSC	
	Pin No	Port Name	Pin No	Port Name	Pin No	Port Name	Pin No	Port Name	Pin No	Port Name	Pin No	Port Name
SA0	-	-	-	-	28	SA0	-	-	-	-	-	-
SA1	-	-	-	-	27	SA1	2	1A1	25	A0	-	-
SA2	-	-	-	-	26	SA2	4	1A2	24	A1	-	-
SA3	-	-	-	-	25	SA3	6	1A3	23	A2	-	-
SA4	-	-	-	-	24	SA4	8	1A4	22	A3	-	-
SA5	186	HA4	163	ADRL5	22	SA5	-	-	21	A4	75	HADR5
SA6	187	HA5	170	ADRL6	20	SA6	-	-	20	A5	76	HADR6
SA7	188	HA6	168	ADRL7	19	SA7	-	-	19	A6	77	HADR7
SA8	189	HA7	-	-	18	SA8	-	-	18	A7	78	HADR8
SA9	191	HA8	-	-	17	SA9	-	-	8	A8	79	HADR9
SA10	192	HA9	-	-	16	SA10	-	-	7	A9	80	HADR10
SA11	194	HA10	-	-	15	SA11	-	-	6	A10	81	HADR11
SA12	195	HA11	-	-	14	SA12	-	-	5	A11	82	HADR12
SA13	-	-	-	-	12	SA13	-	-	4	A12	85	HADR13
SA14	-	-	-	-	11	SA14	-	-	3	A13	86	HADR14
SA15	-	-	-	-	10	SA15	-	-	2	A14	87	HADR15
SA16	-	-	-	-	9	SA16	-	-	1	A15	89	HADR16
SA17	-	-	-	-	8	SA17	-	-	48	A16	90	HADR17
SA18	-	-	-	-	7	SA18	-	-	17	A17	92	HADR18
SA19	-	-	-	-	6	SA19	-	-	16	A18	93	HADR19
SA20	-	-	-	-	3	SA20	-	-	-	-	94	HADR20
SA21	-	-	-	-	2	SA21	-	-	-	-	95	HADR21
SA22	-	-	174	ADR22	1	SA22	-	-	-	-	-	-
SA23	-	-	171	ADRH0	363	SA23	-	-	-	-	-	-
SA24	-	-	172	ADRH1	362	SA24	-	-	-	-	-	-
SA25	-	-	173	ADRH2	361	SA25	-	-	-	-	-	-

SD16 - SD31 DATA BUS LINE (TC14-2, TC15-2, TC18-2)

TC	14-2		15-2		18-2	
SIGNAL NAME	IC6701 / GLUE		IC6001 / AVDEC&MAIN CPU		IC6003 / LOADER	
	Pin No	Port Name	Pin No	Port Name	Pin No	Port Name
SD16	201	LDTI0	67	SD16	29	I/O0
SD17	200	LDTI1	66	SD17	31	I/O1
SD18	199	LDTI2	65	SD18	33	I/O2
SD19	202	LDTI3	64	SD19	35	I/O3
SD20	197	LDTI4	63	SD20	38	I/O4
SD21	196	LDTI5	62	SD21	40	I/O5
SD22	198	LDTI6	61	SD22	42	I/O6
SD23	195	LDTI7	59	SD23	44	I/O7
SD24	194	LDTI8	58	SD24	30	I/O8
SD25	192	LDTI9	57	SD25	32	I/O9
SD26	191	LDTI10	56	SD26	34	I/O10
SD27	189	LDTI11	55	SD27	36	I/O11
SD28	190	LDTI12	54	SD28	39	I/O12
SD29	188	LDTI13	53	SD29	41	I/O13
SD30	187	LDTI14	51	SD30	43	I/O14
SD31	185	LDTI15	50	SD31	45	I/O15

MSD16 - MSD31 DATA BUS LINE (TC19-1, TC21-1,TC22-1)

TC	19-1		21-1		22-1	
SIGNAL NAME	IC3404 / AVENC&RTSC		IC3501 / RTSC		IC6701 / GLUE	
	Pin No	Port Name	Pin No	Port Name	Pin No	Port Name
MSD16	203	HD0	118	HDAT0	12	LDEV0
MSD17	204	HD1	117	HDAT1	13	LDEV1
MSD18	206	HD2	115	HDAT2	11	LDEV2
MSD19	207	HD3	114	HDAT3	10	LDEV3
MSD20	209	HD4	113	HDAT4	7	LDEV4
MSD21	210	HD5	111	HDAT5	8	LDEV5
MSD22	212	HD6	110	HDAT6	9	LDEV6
MSD23	213	HD7	109	HDAT7	14	LDEV7
MSD24	215	HD8	107	HDAT8	2	LDEV8
MSD25	216	HD9	106	HDAT9	4	LDEV9
MSD26	217	HD10	104	HDAT10	3	LDEV10
MSD27	218	HD11	102	HDAT11	208	LDEV11
MSD28	220	HD12	101	HDAT12	207	LDEV12
MSD29	221	HD13	100	HDAT13	6	LDEV13
MSD30	223	HD14	98	HDAT14	205	LDEV14
MSD31	224	HD15	97	HDAT15	203	LDEV15

MSA1 - MSA4 ADDRESS BUS LINE (TC16, TC19-2, TC21-2, TC22-2)

TC	16		19-2		21-2		22-2	
SIGNAL NAME	IC6004/BUFFER		IC3404/AVENC		IC3501/RTSC		IC6701/GLUE	
	Pin No	Port Name	Pin No	Port Name	Pin No	Port Name	Pin No	Port Name
MSA1	18	1Y1	181	HA0	68	HADR1	167	ADRL1
MSA2	16	1Y2	182	HA1	69	HADR2	164	ADRL2
MSA3	14	1Y3	183	HA2	70	HADR3	165	ADRL3
MSA4	12	1Y4	184	HA3	71	HADR4	166	ADRL4

S:Syscon/Servo/Timer Section(Page: C)
A:Hi-Fi Audio Section(Page: D)
V:Video Section(Page: E)

BOOSTER+5V
PS+5V
BTL+30V
X SW+5.8V
UNREG 38V
UNREG.+38V
IIC DATA
IIC CLK
AUDIO HEAD SW
D REC
ABS NORM
AUDIO HEAD L
AUDIO HEAD R
AUDIO HEAD COM
AV2 IN R
AV2 IN L
AV1 IN R
AV1 IN L
CONV VIDEO
X SW 5.8V
VTR P ON
JC P ON
A5V
REG12V
A+5V
REG.+12V
X SW+13V
REG.A+5V
REG.+12V
PY OUT
PB OUT
PR OUT
YOUT DM
GPYOUT DM
PBOUT DM
PROUT DM
AADC R
AADC L
ANA5V
X SW13V
TO PS43001 I/O P.C.B. P4501
X SW 13V
REG5V
AADC IN L
AADC IN R
PROUT DM
PBOUT DM
GPYOUT DM
V GND
YOUT DM
V GND
PR OUT
PB OUT
PY OUT
RGB
AUDIO MUTE2
MIX L OUT DM
MIX R OUT DM
MIX R OUT DM
MIX L OUT DM
AUDIO MUTE2
RGB
REC A MUTE
FM MUTE
I2CSDT
I2CSCK
DVD OUT
LINE OUT R
LINE OUT L
AU5V
TO PS43002 I/O P.C.B. P4502
I2CSCK
I2CSDT
AU 5V
RF AUDIO OUT
LINE OUT L
LINE OUT R
GND
MIX R OUT
MIX L OUT
VTR P ON
DVD OUT
DVD OUT L
DVD OUT R
PS12V
VHS/DVD TUN.VIDEO
DECODER L
DECODER R
JC P ON
DECODER R
DECODER L
VHS/DVD TUN.VIDEO
PS12V
DVD OUT R
DVD OUT L
AFC S-CURVE(DVD)
NORMAL AUDIO OUT
NORMAL AUDIO IN
TU AUDIO IN
AFC S-CURVE
DVD TUNER OUT
FSC
AUDIO AV3 IN L
AUDIO AV3 IN R
VHS TUN
VIDEO TUNER OUT
TO PS43003 I/O P.C.B. P4503
VHS R OUT
VHS L OUT
V GND
VIDEO TUNER OUT
V GND
DVD TUNER OUT
VHS TUN
DVD DECODER L
DVD DECODER R
A GND
VHS DECODER L
VHS DECODER R
A GND
AUDIO AV3 IN R
AUDIO AV3 IN L
X SW 5.8V
SCART IN L
SCART IN R
SCART IN R
SCART IN L
VGND
HA GND
REF GND
A GND
AU GND

QR7401 UNR511200L (SW L:ON)
Q7401 2SD1819A0L (VTR P ON H:ON)
D7401 MAZ4300NMF
C7415 50V1
R7401 330
R7402 330
R7433 100K
R4556 10K
K7402
E75VEB
QR7402 UNR511200L (SW L:ON)
Q7402 2SD1819A0L (JC P ON H:ON)
D7402 MAZ4300NMF
C7424 50V1
R7403 330
R7404 330
R7434 100K
E75VEG
LB7402 J0JHC0000032
LB7401 J0JHC0000032
LB7403 J0JHC0000032
Q4501 B1AAGD000006 (REG.A+5V)
D4502 MAZ4056NHF
C4545 6V22
C4544 0.01
R4555 820
L4502 1.2u
Q4502 B1AAGD000006 (REG.+12V)
D4503 MAZ4130NLF
C4547 25V 4.7
C4546 0.01
E75VEB
QR4502 UNR511300L (RFC MUTE DRIVE)
QR4504 UNR521600L (RFC MUTE H:ON)
C4549 16V10
R4519 220
QR4501 UNR511300L (FM MUTE DRIVE)
QR4503 XN0121600L (FM MUTE H:ON)

R4532 680
D4501 B0AAED000003
TL4501
PB-FM ENV TW4502
A H SW TW4503
FM MIX OUT TW4501
C4519 0.015
R4521 120K
C4518 0.22
C4516 0.1
C4515 0.1
C4513 0.01
C4512 0.01
C4511 0.033
C4510 0.015
C4509 16V22
C4508 16V10
R4520 0
C4520 6V22
C4521 16V10
R4522 4700
C4522 10V33
C4523 0.047
R4523 510
R4524 1K
R4525 30K
R4526 1K
R4527 1K
C4526 16V10
C4524 6V100
R4518 4700
C4504 0.047
R4517 510
C4505 10V33
R4515 56K
R4512 4300
R4513 56K
R4511 4300
R4510 9100
R4503 22K
C4503 16V10
R4516 56K
R4509 4300
R4514 56K
R4508 4300
R4507 9100
R4504 22K
C4502 16V10
C4501 16V10
R4506 4300
R4501 56K
R4505 4300
R4502 56K
C4529 16V10
R4528 1K
C4531 16V47
C4530 16V10
C4533 0.01
R4531 1K
C4534 0.1
R4560 6800
R4559 39K
R4557 7000
R4558 68K
R4530 4700
R4554 68K

PNR RCH
PNR LCH
PREAMP & SWITCH
HOLD TIMING
ENV DET OUT
REC DC2
VCC (5V)
GND
HF/NOR
SW NOISE
AGC
LCH AGC & SWITCH
INPUT SELECT SWITCH LCH
INPUT SELECT SWITCH RCH
MUTE CONTROL
REC AGC ADJ.
GND(R)
VCC(5V)
VCOFO
RCH AGC & SWITCH
FM MODULATOR/ DEMODULATOR RCH
FM MODULATOR/ DEMODULATOR LCH
LPF
RCH BPF
LCH BPF
IIC BUS INTERFACE
OUTPUT SELECT SWITCH RCH
OUTPUT SELECT SWITCH LCH
NORMAL OUTPUT SWITCH
GND (L)
VCC(5V)
GND
VCC(12V)
IC4501 AN3656NFBPBV (AUDIO PROCESSOR)

VIDEO MAIN SIGNAL PATH IN REC MODE D
VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE
AUDIO MAIN SIGNAL PATH IN REC MODE
AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE
DVD VIDEO SIGNAL
DVD AUDIO SIGNAL

BOOSTER+5V
PS+5V
BTL+30V
X SW+5.8V

IC7401
C0CBCDD00006
(REG.+5V)
BIAS
DRIVER
TERMINAL SHUTDOWN
CURRENT LIMITTER
REFERENCE
GND

IC7402
C0CBCDD00006
(REG.+5V)

IC7405
C0CBCDD00006
(REG.+5V)

TU7401
ENV57G05G3F:E75VEG
ENV87G01G3F:E75VEB
VHS TUNER
1 BOOSTER+5V
2 AUDIO IN
3 NC
4 NC
5 NC
6 NC
7 NC
8 NC
9 NC
10 NC
11 SCL
12 SDA
13 NC
14 REG+5V
15 NC
16 BTL+30V
17 IF OUT
18 IF IN
19 NC
20 NC
21 TUNER AUDIO
22 SIF OUT
23 AFC S-CURVE
24 TUNER VIDEO
25 REG+5V
26 NC
27 GND
DU7401 VIF
TV TUNER

TU7403
ENC879T2F
RF CONVERTER
1 NC
2 NC
3 ANT+B(5V)
4 MB(5V)
5 AUDIO IN
6 BTL+30V
7 VIDEO IN
8 CLK
9 DATA

TU7402
ENV57G05G3F:E75VEG
ENV87G01G3F:E75VEB
DVD TUNER
1 BOOSTER+5V
2 AUDIO IN
3 NC
4 NC
5 NC
6 NC
7 NC
8 NC
9 NC
10 NC
11 SCL
12 SDA
13 NC
14 REG+5V
15 NC
16 BTL+30V
17 IF OUT
18 IF IN
19 NC
20 NC
21 TUNER AUDIO
22 SIF OUT
23 AFC S-CURVE
24 TUNER VIDEO
25 REG+5V
26 NC
27 GND
DU7402 VIF
TV TUNER

TO NICAM DECODER(B)P.C.B.
TO PK7301
PK7401
1 SIF
2 GND
3 TU AUDIO IN
4
5
6
7 JC 5V
TO PK7302
PK7402
1 SCL
2 SDA
3
4 DECODER AUDIO(R)
5 GND
6 DECODER AUDIO(L)

TO NICAM DECODER(A)P.C.B.
TO PK7301
PK7403
1 SIF
2 GND
3 TU AUDIO IN
4
5
6
7 JC 5V
TO PK7302
PK7404
1 SCL
2 SDA
3
4 DECODER AUDIO(R)
5 GND
6 DECODER AUDIO(L)

Q7403
2SB1218A0L
(BUFFER)

S:Syscon/Servo/Timer Section(Page: C)
A:Hi-Fi Audio Section(Page: D)
V:Video Section(Page: E)

REG.+5V

DMR-E75VEB/EG Hi-Fi Audio Section (Main P.C.B.(2/3)) Schematic Diagram (A)

NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

DMR-E75VEB/EG
Hi-Fi Audio Section
(Main P.C.B.(2/3))
Schematic Diagram (A)

14 15 16 17 18 19 20 21 22 23 24 25

I/O P.C.B.

Main P.C.B.

Front Jack P.C.B.

AV3
JK4801
FRONT JACK

Lch/MONO
Rch
AUDIO

PP4801 PS33001 7 6
PP4801 PS33001 5 8

P4503 PS43003 15
P4503 PS43003 14

IC44001
(AUDIO SIGNAL PROCESSOR)

VHS IN L
VHS IN R
AV3 IN L
AV3 IN R

(Lch)
(Rch)
INPUT SELECTOR SW
BUFFER
BUFFER

L CH OUT
R CH OUT

A ADC L
A ADC R

PS43001 P4501 3
P6002 P31902 P39702 P9001 19 50
PS43001 P4501 4
P6002 P31902 P39702 P9001 18 48

TO DIGITAL P.C.B.

AV1/AV2 IN R
AV1/AV2 IN L

SCART IN(R)
SCART IN(L)

PS43003 P4503 18
PS43003 P4503 17

E75VEB

TU7403
RF CONVERTER

AUDIO IN

QR4502,4504
MUTE

RFC A MUTE (H) IC6001-58

FROM SYSTEM CONTROL SECTION

P4502 PS43002 4

RF OUT

AMP
AMP
MIX
AMP
AMP

D/A L
D/A R

IIC BUS CONTROL

IIC CLK IC37501-28
IIC DATA IC37501-29

TO/FROM POWER & DIGITAL I/F P.C.B. (DIGITAL TIMER P.C.B.)

TUNER R
TUNER L

Nicam Decoder(A) P.C.B.

TU7402
TUNER
DVD

SIFOUT
TUNER AUDIO

PK7403 PK7301 1
PK7403 PK7301 3

IC7301
(NICAM DECODER)

SIF
MONO IN
OUT R
OUT L

PK7302 PK7404 4
PK7302 PK7404 6

DVD DECODE R
DVD DECODE L
VHS DECODE R
VHS DECODE L

P4503 PS43003 9
P4503 PS43003 8
P4503 PS43003 12
P4503 PS43003 11

IC47406
(VHS/DVD TUN.SELECTOR SW.)

IC47407
(BUFFER)

DECODER(R)
DECODER(L)

DECODER R
DECODER L

PS43002 P4502 17
PS43002 P4502 16

TU7401
TUNER
VHS

SIFOUT
TUNER AUDIO

PK7401 PK7301 1
PK7401 PK7301 3

IC7301
(NICAM DECODER)

SIF
MONO IN
OUT R
OUT L

PK7302 PK7402 4
PK7302 PK7402 6

Nicam Decoder(B) P.C.B.

VHS TUN (H) IC6001-62

QR47403
(VHS TUN (H) :ON)

IC44002
(BUFFER)

FROM DIGITAL P.C.B.

P9001 P39702 P31903 P6003 P4501 PS43001 62 7 17
P9001 P39702 P31903 P6003 P4501 PS43001 58 6 18

MIX L OUT DM
MIX R OUT DM

PS43002 P4502 12
PS43002 P4502 13

JK24302
REAR A/V JACK

DVD OUT
LINE OUT (L)
LINE OUT (R)

DVD OUT L
DVD OUT R

Q44501
MUTE
Q44502
MUTE

D44501

PS43001 P4501 16

D24001

Q24002
MUTE
Q24003
MUTE

IC44502
(VHS/DVD AUDIO SELECTOR SW.)

IC44501
(BUFFER)

DVD Rch
VHS Rch
VHS Lch
DVD Lch

Rch
Lch

PS43002 P4502 6
PS43002 P4502 5

QR34002
AUDIO MUTE (L) OUT

XDMUTE (H) IC4403-4

FROM DIGITAL P.C.B.

QR34001
AUDIO MUTE (L) OUT

XTMUTE (H) IC37501-20

POWER & DIGITAL I/F P.C.B.

X SW 5.8V

QR3701
(AUDIO MUTE (L) :ON)

FROM MAIN P.C.B. (SYSTEM CONTROL)

DVD OUT (H) IC6001-1

QR44501
(DVD OUT (H) :ON)

P4502 PS43002 8
P4503 PS43003 2
P4503 PS43003 1
P4502 PS43002 9

H
G
F
E

DMR-E75VEB/EG
Audio Block Diagram

DVD AUDIO SIGNAL

AUDIO MAIN SIGNAL PATH IN REC MODE

AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE

JK24302
REAR A/V OUT JACK
VHS/DVD COMMON OUT
LINE L OUT
LINE R OUT
LINE OUT (L)
LINE OUT (R)

FROM SYSTEM CONTROL
AUDIO COMMON MUTE IC6001- 73
FROM POWER & DIGITAL I/F P.C.B.
SCART MUTE H IC37501- 57

QR23901 MUTE DRIVE
QR23902 MUTE
QR23903 MUTE
Q3902, QR3903 MUTE CIRCUIT
D3901
Q3904 MUTE
Q3903 MUTE

IC4501
(AUDIO PROCESSOR)

C VHS DECODER R 8
A AV3 R 2
M AV2 R 10
N AV1 IN R 9
H DVD R 53
INPUT SELECT SWITCH RCH
NORMAL SELECT SWITCH
OUTPUT SELECT SWITCH R CH
RCH AGC & SWITCH
OUTPUT SELECT SWITCH L CH
PNR R CH
D VHS DECODER L 13
O AV1 IN L 14
B AV3 L 4
P AV2 L 15
E DVD L 64
INPUT SELECT SWITCH LCH
PNR L CH
SW NOISE
SW NOISE
LCH AGC & SWITCH
FM MODULATOR/ DEMODULATOR
FM MODULATOR/ DEMODULATOR LCH
LPF
BPF
BPF
LPF
AGC
HOLD TIMING
PREAMP & SWITCH
61
62
53
57
VCO FO 45
30
MUTE CTL 21
36
27
29
24
22
F
G

IC3001
(NORMAL AUDIO PROCESSOR)

2 R
P
VCA
fh TRAP
REC EQ. 98
PRE AMP 96
6

QR4503
RCH 1 MUTE 5
LCH 2 MUTE 3

QR4501 MUTE DRIVE

FM MIX TW4501

ENVE TW4502

A HEAD SW TW4503

IC3903
(A/V BUFFER AND SWITCH)

9 EXT.MUTE CTL.
40 R CH OUT
39 L CH OUT
BUF
LPF
AMP
(R CH)
(L CH)
SW3
SW2
SW1
I
J
H.
H.
K DECODER R 19 R CH IN
L DECODER L 18 L CH IN
IIC BUS CONTROL
21
23
31
24
30
33
43
37
42
36

AV2
JK3901
(DECODER/EXT)
AV2 AUDIO OUT(R) 1
AV2 AUDIO IN(R) 2
AV2 AUDIO OUT(L) 3
AV2 AUDIO IN(L) 6

AV1
JK3901
(TV)
AV1 AUDIO OUT(R) 1
AV1 AUDIO IN(R) 2
AV1 AUDIO OUT(L) 3
AV1 AUDIO IN(L) 6

IIC DATA IC37501- 29
IIC CLK IC37501- 28
TO/FROM POWER & DIGITAL I/F P.C.B. (DIGITAL TIMER CPU)

Q4001 MUTE
QR4004 ON
A+5V
IC6001- 20 D.REC H
P4002 4 A.HEAD(R)
P4002 3 A.HEAD(W)
TO/FROM A/C HEAD

Q3002 FSC BUFFER
FSC IC3001- 63
FROM VIDEO SECTION

FM MUTE H IC6001- 28
AUDIO HEAD SW H IC6001- 19
FROM SYSTEM CONTROL SECTION

TO/FROM SYSTEM CONTROL
IIC CLOCK IC6001- 71
IIC DATA IC6001- 72
42
43
IIC BUS CONTROL

P5001 7 L
P5001 8
P5001 9 R
Hi-Fi AUDIO HEAD

FROM DIGITAL P.C.B.
P9001 72 | P39702 | P31901 5 | P6001
IEC OUT

JK3903
DIGITAL AUDIO OUT
(PCM/BITSTREAM)
OPTICAL 7

DMR-E75VEB/EG
Audio Block Diagram

DMR-E75VEB/EG
Audio Block Diagram

443NT [L]	4.43 NTSC Ⓛ
A. COMP	AUDIO COMPONENT SIGNAL
A. COMPO	AUDIO COMPONENT SIGNAL
A. D.P [L]	AUDIO DUBBING PAUSE Ⓛ
A. D/L [L]	AUDIO DUBBING PAUSE Ⓛ
A. DEF [S]	AUDIO DEFEAT
A. DEF [S] [L]	AUDIO DEFEAT
A. DUB P [L]	AUDIO DUBBING PAUSE Ⓛ
A. DUB [H]	AUDIO DUBBING Ⓗ
A. ERASE	AUDIO ERASE
A. H. SW	AUDIO HEAD SWITCHING PULSE
A. HEAD [R]	AUDIO HEAD (REC)
A. HEAD [W]	AUDIO HEAD (PLAY)
A. IN [L]	AUDIO INPUT (L)
A. IN [R]	AUDIO INPUT (R)
A. MUT [H]	AUDIO MUTE Ⓗ
A. MUTE [H]	AUDIO MUTE Ⓗ
A. OUT [L]	AUDIO OUTPUT (L)
A. OUT [R]	AUDIO OUTPUT (R)
A. RF OUT	AUDIO RF SIGNAL OUTPUT
A/VS/S. DATA	AV SW/SERIAL DATA
AC ONLINE	AC ONLINE
AC. O/EE. H	AC ONLINE/EE Ⓗ
AFC S C	AFC S CURVE
AFC [S]	AFC S CURVE
AFC. DEF	AFC DEFEAT
ARFC OUT	AUDIO RF SIGNAL OUTPUT
ART. V	ARTIFICIAL VERTICAL SYNC SIGNAL
ART. V. MM	ARTIFICIAL VERTICAL SYNC SIGNAL MONO MULTI
ART. V/H/N	ARTIFICIAL VERTICAL SYNC SIGNAL Ⓗ/NORMAL
AT. V/H/N	ARTIFICIAL VERTICAL SYNC SIGNAL
ATSW/TEST/NOR/SE	TEST/NORMAL/SERVICE
AUDIO IN [L]	AUDIO INPUT (L)
AUDIO IN [R]	AUDIO INPUT (R)
AUDIO OUT [L]	AUDIO OUTPUT (L)
AUDIO OUT [R]	AUDIO OUTPUT (R)
AUDIO SELECT [H]	AUDIO SELECT Ⓗ
AUDIO. L	AUDIO (L)
AUDIO. R	AUDIO (R)
AV CNT	AV CONTROL
AV CTL	AV CONTROL
AV CTL/S. CLK	AV CONTROL/SERIAL CLOCK
AV. C.M.	AV CONTROL MODE
AVCNT/METER. R	AV CONTROL/LEVEL METER (R)
AVSW/METER. L	AV SW/LEVEL METER (L)
B MODE. H	B MODE Ⓗ
B.G.P	BURST GATE PULSE
BACKUP 5V	BACK UP 5V
BAND. U.E.	BAND U
BANDVL. D	BAND VL
BI/MI [L]	BILINGUAL/MIX Ⓛ
BIL	BILINGUAL
BIL [L]	BILINGUAL Ⓛ
BIL. [H]	BILINGUAL Ⓗ
BIL/M1 [L]	BILINGUAL Ⓛ
BS CLOCK	BS CLOCK
BS DATA	BS DATA
BS LCH IN	BS L CHANNEL INPUT
BS MIX [H]	BS MIX Ⓗ
BS MON [H]	BS MONITOR Ⓗ
BS MONI [H]	BS MONITOR Ⓗ
BS RCH IN	BS R CHANNEL INPUT
BS VIDEO	BS VIDEO SIGNAL
BS VIDEO/BS1	BS VIDEO SIGNAL
BS [H]	BS Ⓗ
BS. LEVEL	BS LEVEL
BS. M [H]	BS MONITOR Ⓗ
BS/VTR [H]	BS/VTR Ⓗ
BUS CLK	BUS CLOCK
BUS LSN	BUS LISTEN
BUS TLK	BUS TALK
BUZZER	BUZZER
CAP EC	CAPSTAN TORQUE CONTROL
CAP M GND	CAPSTAN MOTOR GND
CAP. ET	CAPSTAN TORQUE CONTROL
CAP. FG1	CAPSTAN FG1 PULSE
CAP. FG2	CAPSTAN FG2 PULSE
CAS. SW	CASSETTE SW
CCN	PLAYBACK CONTROL SIGNAL (–)
CCP	PLAYBACK CONTROL SIGNAL (+)
CHM	CONTROL SIGNAL (+)
CHP	CONTROL SIGNAL (–)
CINEM [L]	CINEMA Ⓛ
CINEMA [L]	CINEMA Ⓛ
CINEMA/MIX	CINEMA/MIX
CKL	RATCH LOCK
CKS	SHIFT LOCK
CL	CLOCK
CLK	CLOCK
CLK (C.G)	CLOCK
CLOCK. IN	CLOCK INPUT
CLP	CLAMP
COL/B/W/NOR	COLOUR/BLACK & WHITE/NORMAL
COLOR [H]	COLOUR Ⓗ
CONV	CONVERTOR
CS	CHIP SELECT
CTL GND	CONTROL GND
CTL HEAD [+]	CONTROL HEAD (+)
CTL HEAD [–]	CONTROL HEAD (–)
CTL [+]	CONTROL HEAD (+)
CTL [–]	CONTROL HEAD (–)
CUE BIAS	CUE BIAS
CURRENT LIM	CURRENT LIMMITER
CYL ET	CYLINDER TORQUE CONTROL

CYL GND	CYLINDER GND
D.F.M. REC [H]	DELAIED FM RECORDING Ⓗ
D. FM REC [L]	DELAIED FM RECORDING Ⓛ
D. GND	DIGITAL GND
D. REC [H]	DELAYED RECORDING Ⓗ
D4/S. LED	D4/STILL LED
D4/STILLED	D4/STILL LED
DAC [CLK]	TUNER DAC (CLOCK)
DAC/FSCS	TUNER DAC/FS CHIP SELECT
DAREC [H]	DELAYED AUDIO RECORDING Ⓗ
DATA	DATA
DECODER [L]	DECODER (L)
DECODER [R]	DECODER (R)
DEW	DEW
DEW SNS	DEW SENSOR
DFMRE [H]	DELAYED FM AUDIO RECORDING Ⓗ
E. REC 5V	EXCEPT RECORDING 5V
EC	ERROR TORQUE CONTROL
ECR	ERROR TORQUE CONTROL REFERENCE VOLTAGE
EDT TRIG [L]	EDIT TRIGGER Ⓛ
EDIT [H]	EDIT Ⓗ
EE [H]	EE Ⓗ
EE [H]/INS [M]	EE Ⓗ/INSERT Ⓜ
EE. VV. TR	EE/VV/TRICK PLAY
EJECT. PO	EJECT POSITION
EJECT/VDET	EJECT/REVERSE SLOW LOCK
ENV. SEL	ENVELOPE SELECT
ENVE. OUT	ENVELOPE OUTPUT
ENVE. SEL	ENVELOPE SELECT
ENV SELECT	ENVELOPE SELECT
EP [H]	LP Ⓗ
EP/LP [H]	LP Ⓗ
EP/LP/SP	LP/SP
EP/SS [H]	LP/SLOW/STILL/STOP Ⓗ
EPROMCS	EPROM CHIP SELECT
EX. REC 5V	EXCEPT RECORDING 5V
FF/REW [L]	FIRST FORWARD/REWIND Ⓛ
FG1 IN	FG1 PULSE INPUT
FG2 IN	FG2 PULSE INPUT
FILTER ADJUSTMENT	FILTER ADJUSTMENT
FLY ERASE [H]	FLYING ERASE HEAD ON Ⓗ
FLY ON [H]	FLYING ERASE HEAD ON Ⓗ
FLY. E [H]	FLYING ERASE HEAD ON Ⓗ
FM MUT [H]	FM AUDIO MUTE Ⓗ
FM MUTE [H]	FM AUDIO MUTE Ⓗ
FM OUT [L]	FM OUTPUT (L)
FM OUT [R]	FM OUTPUT (R)
FM PACK OUT [L]	FM PACK OUTPUT (L)
FM PACK OUT [R]	FM PACK OUTPUT (R)
FM/BS SEL [L]	FM/BS SELECT (L)
FM/BS SEL [R]	FM/BS SELECT (R)
FS. CLK	FS CLOCK
FUL. E [H]	FULL ERASE HEAD ON Ⓗ
FULL. E [H]	FULL ERASE HEAD ON Ⓗ

FULL. E. 12V	FULL ERASE 12V
GND [A]	GND (ANALOG)
GND [TU]	GND (TUNER)
GND/N. SW. 12V	GND/NON SW 12V
H. SYNC	HORIZONTAL SYNC
H. AMP. SW	HEAD AMP SW PULSE
H. P <R>	HEAD PHONE (R)
H. P <L>	HEAD PHONE (L)
H. P GND	HEAD PHONE GND
H. P OUT [L]	HEAD PHONE OUTPUT (L)
H. P OUT [R]	HEAD PHONE OUTPUT (R)
H. SW	HEAD SW PULSE
HEAD PHONE [L]	HEAD PHONE (L)
HEAD PHONE [R]	HEAD PHONE (R)
HEAD SW	HEAD SW
HEATER [+]	HEATER (+)
HEATER [–]	HEATER (–)
HSS	HORIZONTAL SYNC SIGNAL
HTR [+]	HEATER (+)
HTR [–]	HEATER (–)
I RFE	REFERENCE CURRENT
ICL	CONTROL AGC CIRCUIT
IF	INTERMEDIATE FREQUENCY
IN SELA1	INPUT SELECT A1 POSITION
IN SELA2	INPUT SELECT A2 POSITION
IN SELA3	INPUT SELECT A3 POSITION
INS L/R [L]	INSERT Lch/Rch Ⓛ
INS. [H]	INSERT Ⓗ
INSEL A1	INPUT SELECT A1 POSITION
INSEL A2	INPUT SELECT A2 POSITION
INSERT	INSERT
INSERT [H]	INSERT Ⓗ
IO CS	INPUT/OUTPUT CHIP SELECT
JOG1	JOG1
JOG S3 LED/FOWRD	JOG LED/FORWARD LED
JOG/F. LED	JOG LED/FORWARD LED
JSB [H]	JSB Ⓗ
JST. CLCK	JUST CLOCK
JST. CLK	JUST CLOCK
JST. CLOCK	JUST CLOCK
L. OUT	Lch OUTPUT
L. CH [H]	Lch Ⓗ
L. CH [L]	Lch Ⓛ
LED (MAIN)	LED (MAIN)
LED (STEREO)	LED (STEREO)
LED (SUB)	LED (SUB)
LED CKL	LED SERIAL CLOCK
LED CKS	LED SERIAL CLOCK
LED DATA	LED SERIAL DATA
LINE IN 1 [L]	LINE INPUT 1 (L)
LINE IN 1 [R]	LINE INPUT 1 (R)
LINE IN 2 [L]	LINE INPUT 2 (L)
LINE IN 2 [R]	LINE INPUT 2 (R)
LINE IN V	LINE INPUT VIDEO
LINE IN [L]	LINE INPUT (L)

LINE IN [R]	LINE INPUT (R)
LINE OUT [L]	LINE OUTPUT (L)
LINE OUT [R]	LINE OUTPUT (R)
LP [H]	LP Ⓗ
LPTRI [L]	LP TRICK PLAY Ⓛ
Lch/A. DUB	Lch/AUDIO DUBBING
M GND	MOTOR GND
M REG	MOTOR REGULATOR
MAIN OUT	MAIN OUTPUT
MAIN [L]	MAIN Ⓛ
MAIN/MONO	MAIN/MONAURAL
MAX IN	MAXIMAM INPUT
MES [H]	MESECAM Ⓗ
MESE [H]	MESECAM Ⓗ
MESE [L]	MESECAM Ⓛ
METER 5V	LEVEL METER 5V
METER [L]	LEVEL METER (L)
METER [R]	LEVEL METER (R)
METER. L/AVS	LEVEL METER (L)
METER. R/AVC	LEVEL METER (R)
MI/BI [L]	MIX Ⓗ/BILIGUAL
MIC GND	MIC GND
MIC IN	MIC INPUT
MIC IN [L]	MIC INPUT (L)
MIC IN [R]	MIC INPUT (R)
MIC [H]	MIC Ⓗ
MIX [H]	MIX Ⓗ
MIX [H]/CINEMA [L]	MIX Ⓗ/CINEMA SOUND Ⓛ
MIX/CINE	MIX Ⓗ/CINEMA SOUND Ⓛ
MIX/CINEMA [L]	MIX Ⓗ/CINEMA SOUND Ⓛ
MN. H/M. L	MONAURAL Ⓗ/MAIN Ⓛ
MN. H/MAI. L	MONAURAL Ⓗ/MAIN Ⓛ
MN2/MES. L	MONAURAL 2/MESECAM Ⓛ
MODE SEL	AUDIO MODE SELECT
MODE SW	AUDIO MODE SW
MODE. S. IN	AUDIO MODE SELECT INPUT
MODE. S. OUT	AUDIO MODE SELECT OUTPUT
MONO [H]	MONAURAL Ⓗ
MONO [H]/MAIN [L]	MONAURAL Ⓗ/MAIN Ⓛ
MONO2 [L]	MONAURAL 2
MONO2/MESE [FM(L)]	MONAURAL 2/MESECAM (FM Ⓛ)
MOTOR GND	MOTOR GND
MUTE	MUTE
N. A. REC [L]	NORMAL AUDIO RECORDING
N. SW 12V	NON SW 12V
N. SW. 5. DET	NON SW 5V DETECT
NICAM	NICAM
NICAM [L]	NICAM Ⓛ
NOL [H]	PAL Ⓗ/4.43 NTSC Ⓜ/3.58 NTSC Ⓛ
NOR/SOFT [H]	NORMAL/SOFT TAPE PLAY Ⓗ
NORMAL [H]	NORMAL Ⓗ
NR BIAS	NR BIAS
NTSC [L]	NTSC Ⓛ
OCH	CONTROL AGC CIRCUIT
OUT	OUTPUT

P-OFF [H]	POWER OFF Ⓗ
P-OFF [L]	POWER OFF Ⓛ
P. FAIL	POWER FAILURE DETECT
P. OFF [H]	POWER OFF Ⓗ
P. OFF [L]	POWER OFF Ⓛ
PAL [H]	PAL Ⓗ
PAL [L]/NTSC [H]	PAL Ⓛ/NTSC Ⓗ
PB ADJ OUT	PLAYBACK ADJUST OUTPUT
PB OUT	PLAYBACK OUTPUT
PB. H	PLAYBACK Ⓗ
PFG	PG/FG
PHOTSN +B	PHOTO SENSOR +B
PICT. CNT	PICTURE CONTROL
PLAY LED/RVS LED	PLAY LED/REVERSE LED
PLAY. PO	PLAY POSITION
PLAY/R. LED	PLAY LED/REVERSE LED
PLY/DEW	PLAY/DEW Ⓗ
POWER OFF [L]	POWER OFF Ⓛ
PREROLL [H]	PREROLL Ⓗ
PWRFAIL	POWER FAILURE DETECT
R. CH [H]	Rch Ⓗ
R. CH [L]	Rch Ⓛ
R. ST	RESET
R/S/F	REVERSE Ⓗ/STOP Ⓜ/FORWARD Ⓛ
RCH [H]	Rch Ⓗ
REC 12V	RECORDING 12V
REC CHROMA	RECORDING CHROMINANCE SIGNAL
REC H	RECORDING Ⓗ
REC IN	RECORDING INPUT
REC OUT [L]	RECORDING OUTPUT Ⓛ
REC START	RECORDING START
REC VR [C]	RECORDING VOLUME (COMMON)
REC VR [L]	RECORDING VOLUME (L)
REC VR [R]	RECORDING VOLUME (R)
REC Y	RECORDING LUMINANCE SIGNAL
REC [H]	RECORDING Ⓗ
REC. C	RECORDING CHROMINANCE SIGNAL
REC. Y	RECORDING LUMINANCE SIGNAL
REC/EE CTL	RECORDING/EE CONTROL
REEL-T	REEL PULSE (TAKE-UP)
REEL-S	REEL PULSE (SUPPLY)
REGULATOR FILTER	REGULATOR FILTER
RESET	RESET
REV M F/R	REVIEW MOTOR FORWARD/REVERSE
REV M V1	REVIEW MOTOR V1
REV M V2	REVIEW MOTOR V2
REV MOTOR F/R	REVIEW MOTOR FORWARD/REVERSE
REV MOTOR V1	REVIEW MOTOR V1
REV MOTOR V2	REVIEW MOTOR V2
REV MOTOR [+]	REVIEW MOTOR (+)
REV MOTOR [–]	REVIEW MOTOR (+)
REV. M. GND	REVIEW MOTOR GND
RF. CHROMA	RF CHROMINANCE SIGNAL

RF OUT	RF OUTPUT
RF Y	RF LUMINANCE SIGNAL
RF. Y. IN	RF LUMINANCE SIGNAL INPUT
RF. Y. OUT	RF LUMINANCE SIGNAL OUTPUT
ROTAR. SW	ROTARY SW
ROTARY	ROTARY SW
RST	RESET
RST [L]	RESET Ⓛ
Rch/INST	Rch/INSERT
S IN	SERIAL DATA INPUT
S OUT	SERIAL DATA OUTPUT
S-PHOTO	SUPPLY PHOTO TRANSISTOR
S-RL. PLS	SUPPLY REEL PULSE
S. CLK	SERIAL CLOCK
S. CLK/AV	SERIAL CLOCK/AV
S. DATA	SERIAL DATA
S. DATA/A	SERIAL DATA
S. PHOTO	SUPPLY PHOTO TRANSISTOR
S. TAB [L]	SAFETY TAB SW ON Ⓛ
S/P/N	SECAM/PAL/NTSC
SC IN	SERIAL CLOCK INPUT
SC OUT	SERIAL CLOCK OUTPUT
SCK SELECT	SERIAL CLOCK SELECT
SEL OUT [L]	SELECT OUTPUT (L)
SEL OUT [R]	SELECT OUTPUT (R)
SHUTTLE 1	SHUTTLE 1
SIF	SOUND INTERMEDIATE FREQUENCY
SLMUT [H]	INPUT SELECT MUTE Ⓗ
SLNID [+]	SOLENOID (+)
SLNID [–]	SOLENOID (–)
SLW TR. MM	SLOW TRACKING MONO MULTI
SLW TR. REF	SLOW TRACKING REFERENCE VOLTAGE
SNS. GND	SENSOR GND
SOFT [H]	SOFT TAPE PLAY Ⓗ
SOFT [H]/NORMAL	SOFT TAPE PLAY Ⓗ/NORMAL Ⓗ
SOLENOID ON [L]	SOLENOID ON Ⓛ
SP [H]	SP Ⓗ
SP/L/SLP	SP/LP
SSS [L]	SLOW/STILL/STOP
STEREO LED	STEREO LED
STEREO [H]	STEREO Ⓗ
STEREO [L]	STEREO Ⓛ
STOP. PO	STOP POSITION
STOP/5V	STOP POSITION/5V
STOP1/TAPE SEL	STOP1 POSITION/TAPE SELECT
STOP1/PAL:ST	STOP1 POSITION/PAL
STOP2. PO	STOP 2 POSITION
STOP2/S-TAB	STOP 2 POSITION/SAFETY TAB SW
STREO [H]	STEREO Ⓗ
SUB BIAS	SUB BIAS
SUB. SW	SUB SW
SVHS CAS [L]	S-VHS CASSETTE Ⓛ
SW. 5. DET	SW 5V DETECT
SYNC [L]	SYNC Ⓛ
SYSCON 5V	SYSTEM CONTROL 5V
SYSTEM	SYSTEM SW
T-PHOTO	TAKE-UP PHOTO TRANSISTOR
T-RL. PLS	TAKE-UP REEL PULSE
T. BUSCLK	TIMER BUS CLOCK
T. BUSLSN	TIMER BUS LISTEN
T. BUSTLK	TIMER BUS TALK
T. END [L]	TAPE END Ⓛ
T. PHOTO	TAKE-UP PHOTO TRANSISTOR
TAPE END [L]	TAPE END Ⓛ
TAPE END [L]/CAM	TAPE END Ⓛ/CAMERA PAUSE
TEST	TEST MODE
TPZ	TRAPEZOIDAL WAVE CIRCUIT
TRIC [L]	TRIC PLAY Ⓛ
TRICK [L]	TRIC PLAY Ⓛ
TRK. ENV	AUTO TRACKING ENVELOPE DETECT
TU. AUDIO	TUNER AUDIO
TU. GND	TUNER GND
TU. V. IN	TUNER VIDEO SIGNAL INPUT
TU. VIDEO	TUNER VIDEO
TUN NOR IN	TUNER NORMAL INPUT
TUN R	TUNER AUDIO (R)
TUN. AUDIO IN	TUNER AUDIO INPUT
TUNER 12V	TUNER 12V
TUNER L	TUNER AUDIO (L)
TUNER V IN	TUNER VIDEO SIGNAL INPUT
TUNER [L]	TUNER AUDIO (L)
TUNER [N]	TUNER AUDIO (NORMAL)
TUNER [R]	TUNER AUDIO (R)
TUNER. 12	TUNER 12V
TUOFF [H]	TUNER OFF Ⓗ
TV. AUDIO	TV AUDIO
TV/VTR	TV/VTR
TXTON [L]	TEXT ON Ⓛ
U. REG45V	UNREGULATOR 45V
UNREG	UNREGULATOR
UNREG19V	UNREGULATOR 19V
V. REF	REFERENCE VOLTAGE
V. EE [H]	VIDEO EE Ⓗ
V. EE [L]	VIDEO EE Ⓛ
VCO REF	REFERENCE OSCILLATER
VD. IN	VIDEO SIGNAL INPUT
VD. OUT	VIDEO SIGNAL OUTPUT
VIDEO EE [L]	VIDEO EE Ⓛ
VIDEO IN	VIDEO SIGNAL INPUT
VIDEO OUT	VIDEO SIGNAL OUTPUT
VM	MOTOR VOLTAGE
VM DOWN [L]	MOTOR VOLTAGE DOWN Ⓛ
VSS	VERTICAL SYNC SIGNAL
VTR [H]	VTR Ⓗ
VTR. 12V	VTR 12V
X IN	OSCILLATOR INPUT
X OUT	OSCILLATOR OUTPUT

LB4401
J0JGC0000020

GN D3.3V

EN 768FS1

R4403 0
R4402 0

R4426 0
R4427 0
R4428 0
R4425 5600

GN X1DA LP
MC DEC SCK
MC DEC SDTO
GN XDMUTE
MC XRESET

C4406 0.1

D4401
MA3Z142K0LG

IC4402
C0FBBK000035
(AUDIO 2CH D/A CONVERTER)

SCK MLC MDI NC ZEROA VCOM AGNDL
BCK DATA LRCK DGND VDD VCC VOUTL VOUTR

C4403 0.1
C4402 16V10

IC4403
C0JBAD000107
(XD MUTE OUT)

VCC OUTY INB INA GND

GN AMUTE
GN MIXROUT DM
GN MIXLOUT DM

MC 1DABCK
MC 1DADATA
MC 1DALRCK

R4406 0
R4405 0
R4404 0

FL4401
F1H0J4740004

LB4404
J0JGC0000020

FL4402
F1H0J4740004

C4407 16V10

C4408 0.1

IC4404
C0CBCBD00002
(REG.DAC+3.3V)

OUT GND NR
VIN GND ON

GN DGND

C4405 0.1
C4404 6V100

LB4402
J0JHC0000032

GN AU5V

C4409 0.1
C4410 6V330
C4411 0.1
C4412 6V100

R4412 5.6K

GN AADC R

R4411 10K

IC4405
C0ABBB000105
(AUDIO BUFFER)

VCC OUTB -INB +INB
OUTA -INA +INA VEE

GN AUGND

LB4403
J0JGC0000020

C4418 0.1
C4417 10V10

R4415 0

GN AADC L

R4407 10K

R4409 5.6K

R4414 0

GN XADC PD

IC4406
C0FBAK000008
(AUDIO A/D CONVERTER)

MODE1 MODE0 FMT1 FMT0 TEST SCKI VDD DGND DOUT BCK
VINL VINR VREF1 VREF2 VCC AGND XPDWN BYPAS FSYNC LRCK

R4420 0
R4421 0
R4422 0

EN ENCMCK2
GN ADDATA
GN ADBCK

R4419 0

GN ADLRCK

C4426 0.1

C4421 1000P
C4423 1000P
C4424 1000P

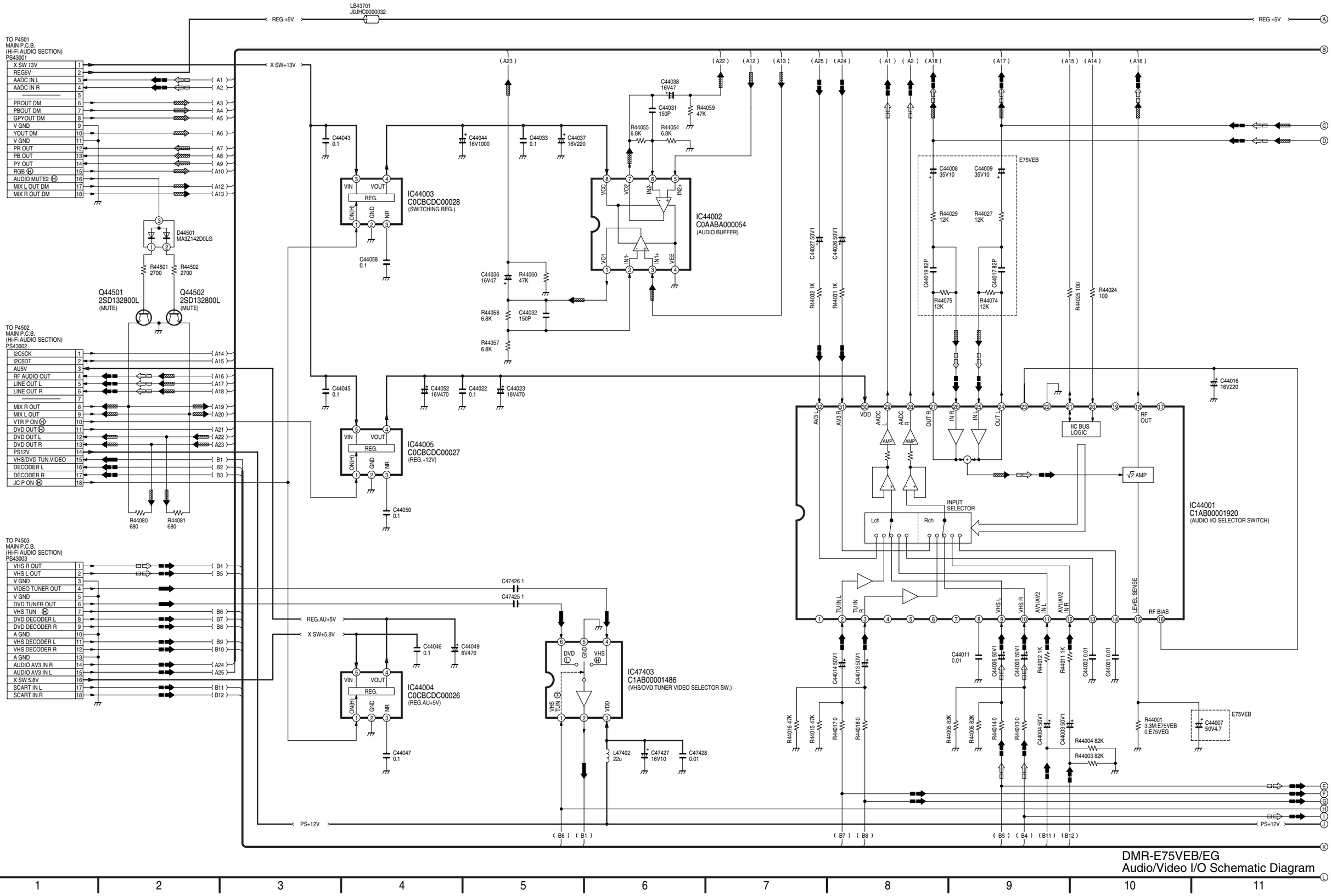
C4416 0.1
C4415 6V47

R4418 220

GN:Glue Net Section(Page: F)
EN:AV Encoder/RTSC Section(Page: G)
MC:AV Decoder/Main CPU Section(Page: H)
AI:Audio I/O Section(Page: I)

NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

DMR-E75VEB/EG
Audio I/O Section (Digital P.C.B.(4/4))
Schematic Diagram (AI)


TO P4501
MAIN P.C.B.
(Hi-Fi AUDIO SECTION)
PS43001
X SW 13V
REG5V
AADC IN L
AADC IN R
PROUT DM
PBOUT DM
GPYOUT DM
V GND
YOUT DM
V GND
PR OUT
PB OUT
PY OUT
RGB H
AUDIO MUTE2 H
MIX L OUT DM
MIX R OUT DM
TO P4502
MAIN P.C.B.
(Hi-Fi AUDIO SECTION)
PS43002
I2CSCK
I2CSDT
AU5V
RF AUDIO OUT
LINE OUT L
LINE OUT R
MIX R OUT
MIX L OUT
VTR P ON H
DVD OUT H
DVD OUT L
DVD OUT R
PS12V
VHS/DVD TUN.VIDEO
DECODER L
DECODER R
JC P ON H
TO P4503
MAIN P.C.B.
(Hi-Fi AUDIO SECTION)
PS43003
VHS R OUT
VHS L OUT
V GND
VIDEO TUNER OUT
V GND
DVD TUNER OUT
VHS TUN H
DVD DECODER L
DVD DECODER R
A GND
VHS DECODER L
VHS DECODER R
A GND
AUDIO AV3 IN R
AUDIO AV3 IN L
X SW 5.8V
SCART IN L
SCART IN R
D44501
MA3Z142D0LG
R44501 2700
R44502 2700
Q44501
2SD132800L
(MUTE)
Q44502
2SD132800L
(MUTE)
R44080 680
R44081 680
LB43701
J0JHC0000032
REG.+5V
X SW+13V
REG.AU+5V
X SW+5.8V
PS+12V
IC44003
C0CBCDC00028
(SWITCHING REG.)
IC44005
C0CBCDC00027
(REG.+12V)
IC44004
C0CBCDC00026
(REG.AU+5V)
IC44002
C0AABA000054
(AUDIO BUFFER)
IC47403
C1AB00001486
(VHS/DVD TUNER VIDEO SELECTOR SW.)
IC44001
C1AB00001920
(AUDIO I/O SELECTOR SWITCH)
E75VEB
IIC BUS LOGIC
INPUT SELECTOR
√2 AMP
DMR-E75VEB/EG
Audio/Video I/O Schematic Diagram

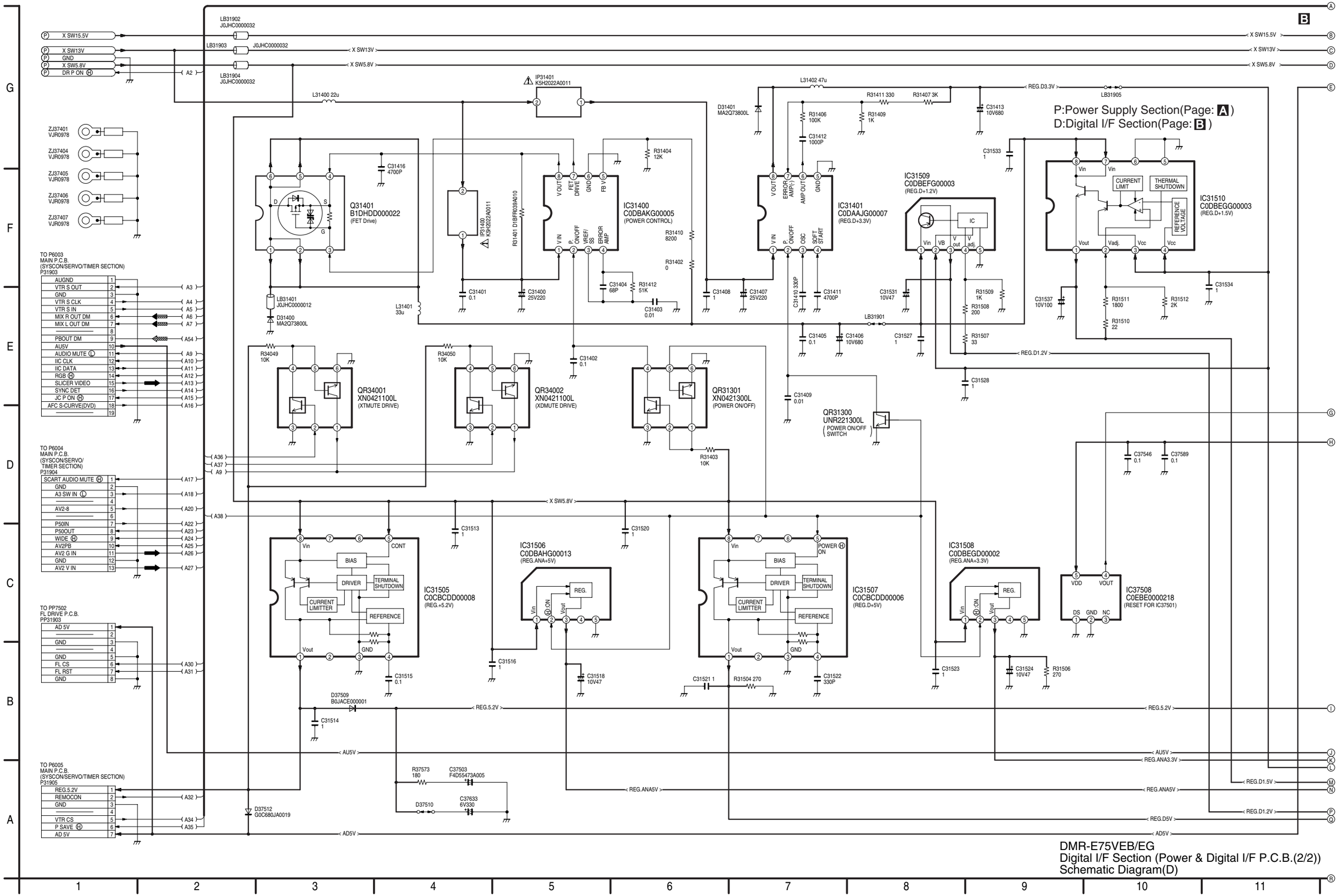
VIDEO MAIN SIGNAL PATH IN REC MODE
AUDIO MAIN SIGNAL PATH IN REC MODE
AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE
DVD VIDEO SIGNAL
DVD AUDIO SIGNAL

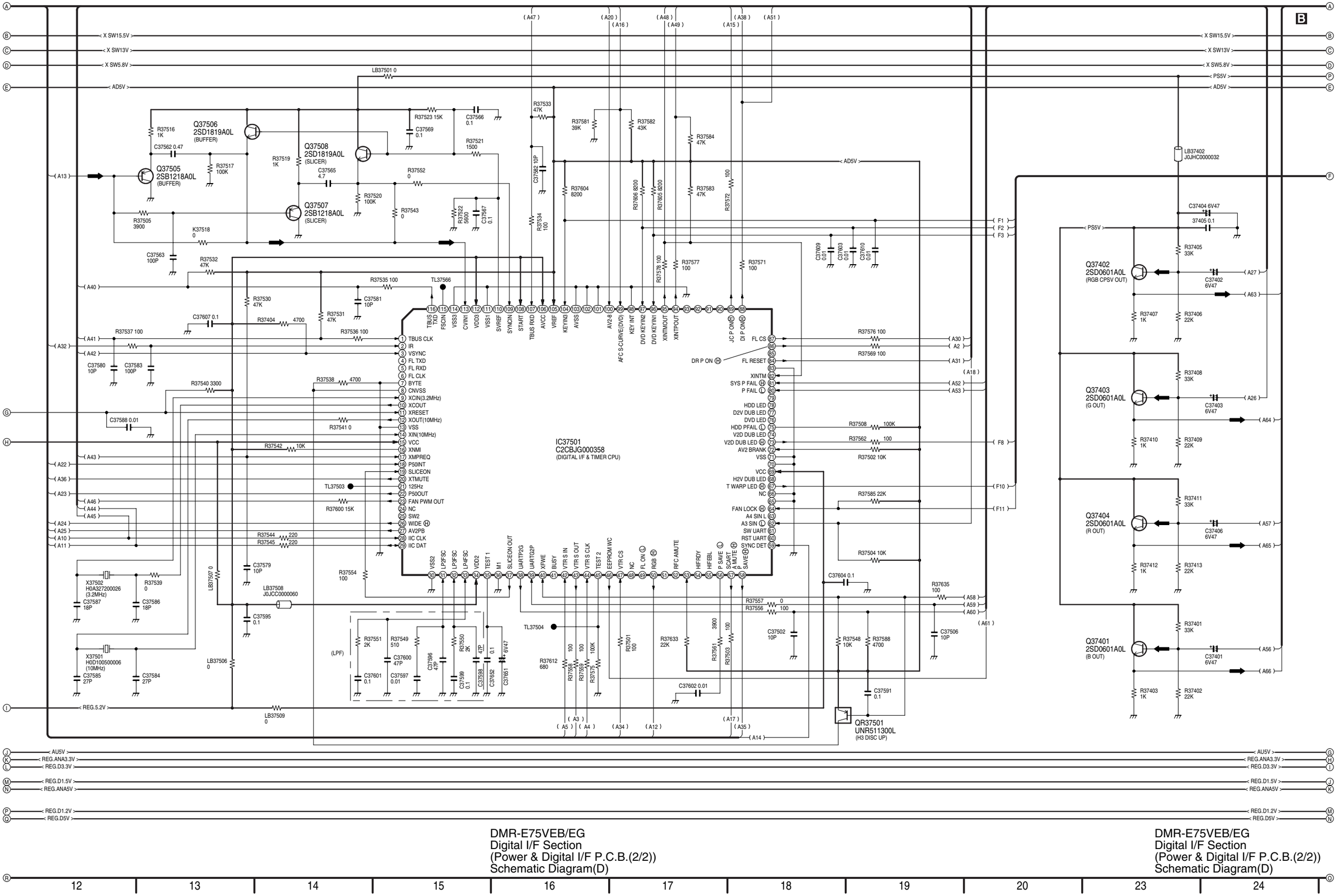
REG.+5V
REG.+12V
R44505 1K
R44506 10K
QR44501 UNR521300L (DVD OUT Ⓗ:ON)
C44504 0.01
C44501 35V10
C44503 35V10
C44502 35V10
C44507 35V10
R44504 100K
R44503 100K
IC44502 C0JBAR000285 (DVD/VHS AUDIO SELECTOR SW.)
SW LOGIC
IC44501 C0ABBB000108 (AUDIO BUFFER)
R44509 100K
R44510 100K
R44511 1K
C44509 10V100
C44508 35V10
C44505 35V10
R47428 1K
C47462 16V47
C47463 0.01
R47429 47K
L47405 22u
QR47403 UNR521300L (VHS TUN Ⓗ :ON)
R47430 100K
R47431 100K
R47423 0
C47458 16V10
C47464 16V10
IC47406 C0JBAR000285 (VHS/DVD TUNER SELECTOR SW.)
IC47407 C0ABBB000108 (AUDIO BUFFER)
R47425 100K
R47424 100K
R47427 1K
C47461 10V100
R47426 0
C47460 16V10
C47459 16V10
PS+12V

C43703 1
C43702 1
IC43701 C1AB00001486 (SELECTOR SWITCH)
IC43702 C9ZB00000377 (VIDEO I/O BUFFER)
C43709 0.1
C43710 0.1
C43711 1
R43701 1800
R43703 1800
C43701 0.01
C43712 6V220
C43713 0.01
MUTE1
MUTE2
CLAMP
12M LPF
6M LPF
(IC TRAP 27MHz)
C43720 6V1000
C43721 6V100
C43722 6V330
C43723 6V330
C43707 6V47
C43708 6V47
R43702 68
R43704 68
Q43702 2SB1218A0L (AMP)
Q43701 2SB1218A0L (AMP)
R43706 1K
R43705 1K
QR43703 UNR521200L (RGB Ⓗ :ON)
QR43702 UNR521200L (RGB Ⓗ :ON)

NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERRING.THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST,AND MAY BE SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

DMR-E75VEB/EG
Audio/Video I/O
Schematic Diagram


P:Power Supply Section(Page: A)
D:Digital I/F Section(Page: B)
IC31400 C0DBAKG00005 (POWER CONTROL)
IC31401 C0DAAJG00007 (REG.D+3.3V)
IC31509 C0DBEFG00003 (REG.D+1.2V)
IC31510 C0DBEGG00003 (REG.D+1.5V)
IC31505 C0CBCDD00008 (REG.+5.2V)
IC31506 C0DBAHG00013 (REG.ANA+5V)
IC31507 C0CBCDD00006 (REG.D+5V)
IC31508 C0DBEGD00002 (REG.ANA+3.3V)
IC37508 C0EBE0000218 (RESET FOR IC37501)
Q31401 B1DHDD000022 (FET Drive)
QR34001 XN0421100L (XTMUTE DRIVE)
QR34002 XN0421100L (XDMUTE DRIVE)
QR31301 XN0421300L (POWER ON/OFF)
QR31300 UNR221300L (POWER ON/OFF SWITCH)
TO P6003 MAIN P.C.B. (SYSCON/SERVO/TIMER SECTION) P31903
TO P6004 MAIN P.C.B. (SYSCON/SERVO/ TIMER SECTION) P31904
TO PP7502 FL DRIVE P.C.B. PP31903
TO P6005 MAIN P.C.B. (SYSCON/SERVO/TIMER SECTION) P31905
DMR-E75VEB/EG
Digital I/F Section (Power & Digital I/F P.C.B.(2/2))
Schematic Diagram(D)



DMR-E75VEB/EG
Digital I/F Section
(Power & Digital I/F P.C.B.(2/2))
Schematic Diagram(D)

DMR-E75VEB/EG
Digital I/F Section
(Power & Digital I/F P.C.B.(2/2))
Schematic Diagram(D)

VIDEO MAIN SIGNAL PATH IN REC MODE
AUDIO MAIN SIGNAL PATH IN REC MODE
AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE
DVD VIDEO SIGNAL
DVD AUDIO SIGNAL

P:Power Supply Section(Page: A)
D:Digital I/F Section(Page: B)

X SW15.5V
X SW13V
X SW5.8V
PS5V
AD5V

Q37512
2SD0874A0L
(FAN MOTOR DRIVE)

C37639 0.1
R37602 820
R37603 18K

FAN MOTOR

P37503
1 FANDCOUT
2 GND
3 FANLOCK

TO PP7501
FL DRIVE P.C.B.
PP31904
F3 DVD KEY IN1
F2 DVD KEY IN2
F1 DVD KEY IN3
F8 DUB LED
F10 T WARP LED

TO P9001
DIGITAL P.C.B.
(GLUE NET SECTION)
P39702
1 CPNCIN DM
2 V YIN DM
3 DGND
4 DGND
5 G/CY IN
6 RGB CPSVIN
7 DGND
8 DGND
9 B/CB IN
11 DGND
12 DGND
13 R/CR IN
14 DGND
16 DGND
17
18 COUT DM
20 DGND
22 YOUT DM
24 DGND
26 GPYOUT DM
27 XINTM
28 DGND
29 XINTP
30 BPBOUT DM
31 XFWE
32 DGND
33 SCLK
34 RPROUT DM
35 XMPREQ
36 DGND
37 SBMTP
38 CSYNC IN
39 SBMTM
40 DGND
44 DGND
46 DGND
48 AADC R
50 AADC L
52 AUGND
54 AUGND
56 AUGND
57 DGND
58 MIXROUT DM
59 DGND
60 AUGND
61 DGND
62 MIXLOUT DM
63 DGND
64 AUGND
65 UARTP2G
67 DGND
68 AU5V
69 UARTG2P
70 XDMUTE
71 NC
72 IECOUT
73 NC
74 D3.3V
75 ANA3.3V
76 D3.3V
77 GND
78 D1.5V
79 ANA5V
80 D1.5V
81 X SW5.8V
82 D1.2V
83 D5V
84 D1.5V
85 X SW5.8V
86 D1.2V
87 X SW5.8V
88 D1.2V

TO P6001
MAIN P.C.B.
(SYSCON/SERVO/
TIMER SECTION)
P31901
1 X SW5.8V
2 X SW5.8V
3 X SW13V
4 X SW13V
5 IECOUT
6 ANA5V
7 GND
8 GND
9 PS5V
11 AV2 B IN
12 AV2 R IN
13 GND

LB34001 J0JCC0000103
IECOUT

TO P6002
MAIN P.C.B.
(SYSCON/SERVO/
TIMER SECTION)
P31902
1 X SW15.5V
2 MGND
3 GND
4 CPNCIN DM
5 GND
6 V YIN DM
7 GND
8 COUT DM
9 GND
10 YOUT DM
11 GND
12 GPYOUT DM
13 BPBOUT DM
14 RPROUT DM
15 PROUT DM
16 DGND
17 DGND
18 AADC R
19 AADC L

CPNCIN DM
V YIN DM
COUT DM
YOUT DM
GPYOUT DM
BPBOUT DM
RPROUT DM
AADC R
AADC L

C33734 1
C33731 0
C33738 0
C33740 6V47
C33735 6V47

LB34003 J0JCC0000103
LB34004 0
R34044 0
C34028 16V10
R34043 0
C34029 16V10
R39701 100
LB34002 J0JCC0000103
C31912 0.01
C31910 0.01
L31001 22u

IC37506
C0ABBA000146
(FAN MOTOR DRIVE)
VDD GND

C37636 1
R37601 10K

QR37401
UNR521100L
(CSYNC OUT)

IC37503
C0EBH0000172
(RESET)
OUT VDD GND

C37620 0.01
C37618 0.01
R37596 47K

C37504 0.1
R37547 4700
R37546 4700
R37599 22K
TL37520
TL37519
TL37518
C37593 10P
C37592 10P

IC37502
C3EBJC000038
(EEPROM)
VCC /WE SCL SDA
NC NC NC VSS

IC37505
C0EBE0000194
(RESET)
OUT VDD GND

R37597 15K
QR37502
UNR521200L
(SYS PFAIL H OUT)
C37626 0.01

AU5V
REG.ANA3.3V
REG.D3.3V
REG.D1.5V
REG.ANA5V
REG.D1.2V
REG.D5V

LB31007 J0JHC0000032
LB31002 J0JHC0000032
LB31001 J0JHC0000032
LB31005 J0JHC0000032
LB31006 J0JHC0000032
LB31003 J0JHC0000032
LB31004 J0JHC0000032

C31911 0.01
C31004 0.01
C31001 0.01
C31002 0.01
C31909 0.01
C31003 0.01

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS.ONLY THE SAME TYPE.

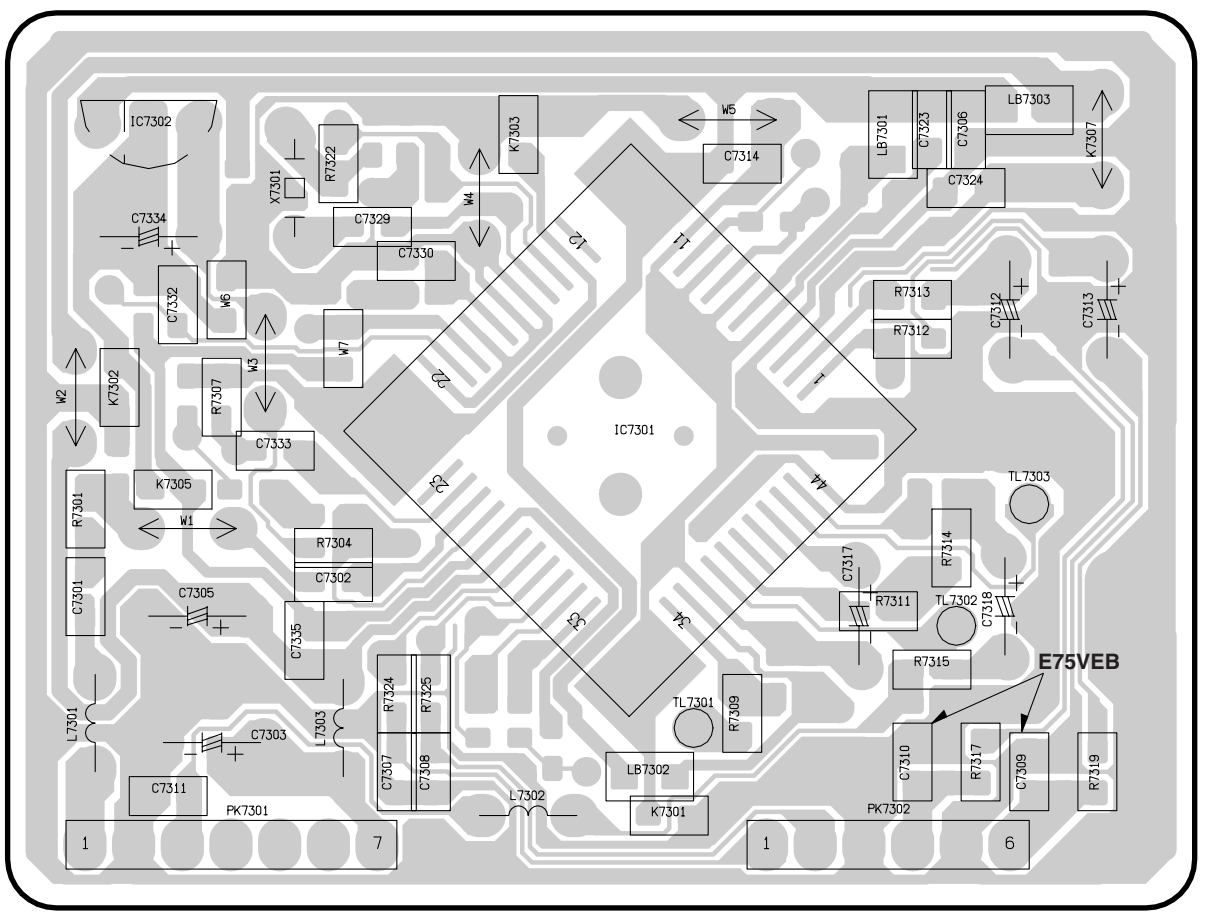
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DMR-E75VEB/EG
Digital I/F Section
(Power & Digital I/F P.C.B.(2/2))
Schematic Diagram(D)

DMR-E75VEB/EG
Digital I/F Section
(Power & Digital I/F P.C.B.(2/2))
Schematic Diagram(D)

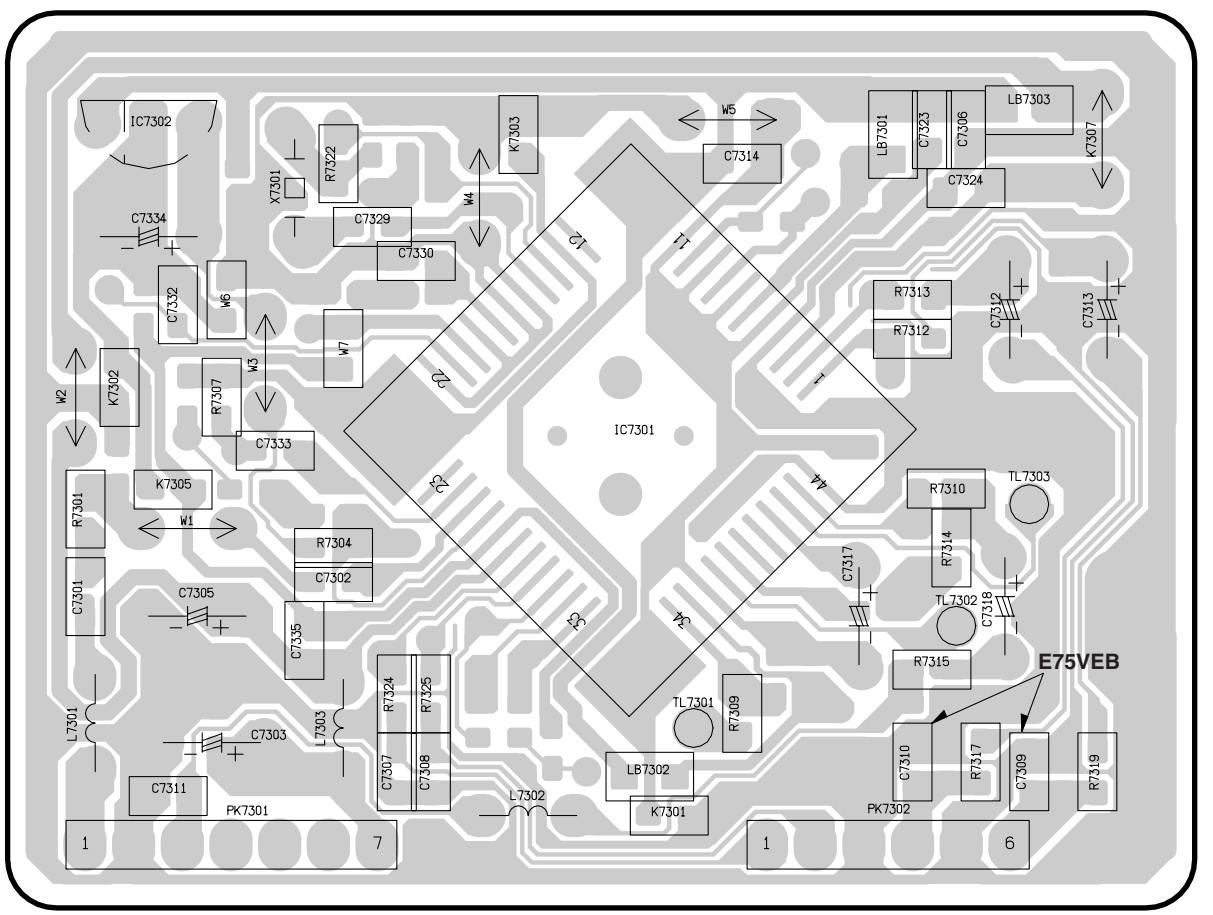
25 26 27 28 29 30 31 32 33 34 35

Nicam Decoder (A) P.C.B. (For DVD)



DMR-E75VEB/EG
Nicam Decoder (A) P.C.B. (For DVD)
VEP07A51A : E75VEB
VEP07A51C : E75VEG

Nicam Decoder (B) P.C.B. (For VHS)



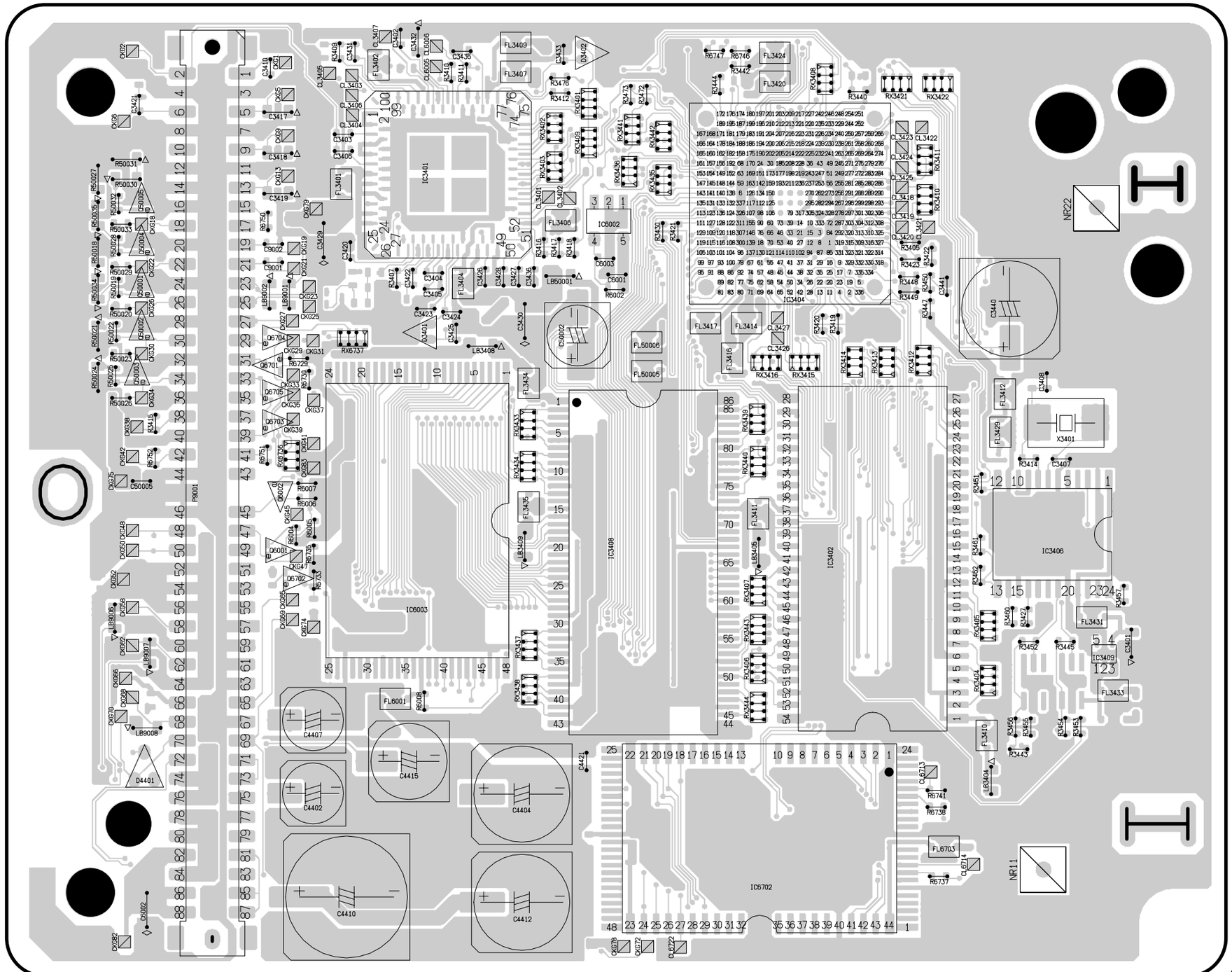
DMR-E75VEB/EG
Nicam Decoder (B) P.C.B. (For VHS)
VEP07A51B : E75VEB
VEP07A51D : E75VEG

Digital P.C.B.

Integrated Circuit		
IC3401	C-2	C
IC3402	B-4	C
IC3404	C-3	C
IC3406	B-4	C
IC3408	B-3	C
IC3409	B-4	C
IC4402	A-4	F
IC4403	A-4	F
IC4404	A-4	F
IC4405	B-4	F
IC4406	B-4	F
IC6001	B-3	F
IC6002	C-3	C
IC6003	B-2	C
IC6004	A-3	F
IC6005	C-2	F
IC6701	B-2	F
IC6702	A-3	C
IC50001	B-4	F
IC50002	C-4	F
Transistor		
Q6001	B-2	C
Q6002	B-2	C
Q6701	C-2	C
Q6702	B-2	C
Q6703	C-2	C
Q6704	C-2	C
Q6705	C-2	C
Q50001	C-1	C
Q50002	C-1	C
Q50003	C-1	C
Q50004	C-1	C
Q50005	C-1	C
Transistor-resistor		
QR3401	A-2	F
Test Point		
CKC19	A-1	F
CKC20	D-2	F
CKC22	D-2	F
CKC24	D-2	F
CKC25	C-3	F
CKC27	B-2	F
CKC29	C-3	F
CKC30	C-3	F
CKC32	C-3	F
CKC33	C-3	F
CKC35	C-3	F
CKC36	C-3	F
CKC37	C-3	F
CKC38	C-3	F
CKC39	C-3	F
CKC41	C-3	F
CKC42	C-3	F
CKC43	B-2	F
CKC44	C-3	F
CKC45	C-3	F
CKC46	D-4	F
CKC47	D-4	F
CKC48	D-4	F
CKC49	D-4	F
CKC51	D-4	F
CKC52	D-4	F
CKC53	D-4	F
CKC54	D-4	F
CKC55	D-5	F
CKC56	D-5	F
CKC57	D-5	F
CKC58	D-5	F
CKC59	D-4	F
CKC61	D-4	F
CKC62	D-4	F
CKC63	D-4	F
CKC64	D-4	F
CKC65	D-4	F
CKC66	D-4	F
CKC67	D-4	F
CKC68	D-4	F
CKC69	D-4	F
CKC88	C-1	F
CKC93	C-1	F
CKC94	A-1	F
CKC95	D-2	F
CKC96	D-2	F
CKC97	D-2	F
CKC98	D-2	F
CKC99	D-3	F
CKC100	D-3	F
CKC102	D-3	F
CKC103	D-3	F
CKC105	D-3	F
CKC106	D-3	F
CKC108	D-3	F
CKC109	D-3	F
CKC112	D-3	F
CKC113	D-3	F
CKC114	D-3	F
CKC115	D-3	F
CKC116	D-3	F
CKC117	D-3	F
CKC118	B-3	F
CKC119	B-3	F
CKC121	D-4	F
CKC122	D-4	F
CKC123	B-4	F
CKC124	B-4	F
CKC125	B-4	F
CKC126	B-4	F
CKC127	B-4	F
CKC128	D-4	F
CKC129	B-4	F
CKC131	B-4	F
CKC132	B-3	F
CKC133	B-4	F
CKC134	B-4	F
CKC135	D-4	F
CKC136	D-4	F
CKC137	D-4	F
CKC138	D-4	F
CKC139	D-4	F
CKF1	A-3	F
CKF3	A-3	F
CKF4	A-3	F
CKF5	A-3	F
CKF6	A-3	F
CKF8	A-3	F
CKF10	A-2	F
CKF12	A-3	F
CKF14	A-2	F
CKF16	A-3	F
CKF18	A-3	F
CKF20	A-2	F
CKF23	A-3	F
CKF24	A-3	F
CKF25	A-3	F
CKF26	A-3	F
CKF27	A-4	F
CKF28	A-4	F
CKF29	A-4	F
CKF30	A-4	F
CKF31	A-4	F
CKF32	A-4	F
CKF33	A-4	F
CKF34	A-4	F
CKF35	A-4	F
CKF36	A-4	F
CKF37	A-4	F
CKF38	A-4	F
CKF40	A-4	F
CKG1	D-2	C
CKG2	D-1	C
CKG5	D-2	C
CKG6	D-1	C
CKG9	D-2	C
CKG13	C-2	C
CKG18	C-1	C
CKG19	C-2	C
CKG21	C-2	C
CKG22	C-1	C
CKG23	C-2	C
CKG25	C-2	C
CKG26	C-1	C
CKG27	C-2	C
CKG29	C-2	C
CKG30	C-1	C
CKG31	C-2	C
CKG33	C-2	C
CKG34	C-1	C
CKG35	C-2	C
CKG37	C-2	C
CKG38	C-1	C
CKG39	C-2	C
CKG41	C-2	C
CKG42	B-1	C
CKG45	B-2	C
CKG47	B-2	C
CKG48	B-1	C
CKG50	B-1	C
CKG52	B-1	C
CKG58	B-1	C
CKG62	B-1	C
CKG65	B-2	C
CKG66	B-1	C
CKG68	B-1	C
CKG69	B-2	C
CKG70	B-1	C
CKG72	A-3	C
CKG74	B-2	C
CKG75	B-1	C
CKG78	A-3	C
CKG79	C-2	C
CKG82	A-1	C
CKG83	B-2	C
CL3401	C-3	C
CL3402	C-3	C
CL3403	D-2	C
CL3404	D-2	C
CL3405	D-2	C
CL3406	D-2	C
CL3407	D-2	C
CL3410	C-3	F
CL3411	C-3	F
CL3412	C-3	F
CL3413	C-3	F
CL3414	C-3	F
CL3415	C-3	F
CL3416	C-3	F
CL3417	C-3	F
CL3418	C-4	C
CL3419	C-4	C
CL3420	C-4	C
CL3421	C-4	C
CL3422	D-4	C
CL3423	D-4	C
CL3424	D-4	C
CL3425	C-4	C
CL3426	C-4	C
CL3427	C-4	C
CL3428	C-3	C
CL3429	C-3	C
CL3431	B-4	C
CL3433	B-4	C
CL3434	C-2	C
CL3435	B-2	C
CL4401	A-4	F
CL4402	A-4	F
CL6001	B-2	C
CL6002	A-3	C
CL6003	B-3	F
CL6004	B-3	F
CL6005	B-3	F
CL6006	B-2	F
CL6007	C-1	F
CL6008	B-3	F
CL6009	B-2	F
CL6010	C-4	F
CL6011	B-2	F
CL6012	B-3	F
CL6013	B-2	F
CL6014	C-3	F
CL6015	B-3	F
CL6016	C-3	F
CL6017	B-2	F
CL6020	B-2	F
CL6021	C-3	F
CL6022	C-2	F
CL6023	B-1	F
CL6701	B-2	F
CL6702	B-1	F
CL6703	A-4	C
CL50001	B-4	F
CL50002	C-4	F
CL50003	C-4	F
CL50004	D-5	F
CL50005	C-3	C
CL50006	C-3	C
CL50007	C-3	F
CL50008	C-3	F
CL50009	C-3	F
TL6001	C-1	F
TL6002	A-1	F
TL6003	A-1	F
TL6004	D-1	F
TL6005	C-1	F
TL6006	C-1	F
Connector		
FP3401	A-3	F
P6002	C-1	F
P9001	B-1	C
Diode		
D3401	C-2	C
D3402	D-3	C
D4401	A-1	C
Crystal Osillator		
X3401	C-4	C
Coil		
LB3404	A-4	C
LB3405	B-3	C
LB3408	C-2	C
LB3409	B-2	C
LB4401	A-4	F
LB4402	A-4	F
LB4403	A-4	F
LB4404	A-4	F
LB6001	C-2	F
LB6002	B-1	F
LB9001	C-2	C
LB9002	C-2	C
LB9006	B-1	C
LB9007	B-1	C
LB9008	B-1	C
LB9009	A-2	F
LB50001	C-3	C
LB50002	B-4	F
LB50003	C-4	F
LB50004	C-4	F
LB50005	D-4	F
Filter		
FL3401	C-2	C
FL3402	D-2	C
FL3404	C-2	C
FL3406	C-3	C
FL3407	D-2	C
FL3409	D-2	C
FL3410	B-4	C
FL3411	B-3	C
FL3412	C-4	C
FL3413	C-3	C
FL3414	C-3	C
FL3415	C-2	F
FL3416	C-3	C
FL3417	C-3	C
FL3418	C-2	F
FL3419	C-2	F
FL3420	D-3	C
FL3421	C-2	F
FL3422	C-2	F
FL3423	C-2	F
FL3424	D-3	C
FL3425	C-2	F
FL3426	C-2	F
FL6002	A-3	F
FL6003	B-3	F
FL6004	B-3	F
FL6005	B-3	F
FL6006	B-2	F
FL6008	B-3	F
FL6009	B-2	F
FL6010	C-4	F
FL6011	B-2	F
FL6012	B-3	F
FL6013	B-2	F
FL6014	C-3	F
FL6015	B-3	F
FL6016	C-3	F
FL6017	B-2	F
FL6020	B-2	F
FL6021	C-3	F
FL6022	C-2	F
FL6023	B-1	F
FL6701	B-2	F
FL6702	B-1	F
FL6703	A-4	C
FL50001	B-4	F
FL50002	C-4	F
FL50003	C-4	F
FL50004	D-5	F
FL50005	C-3	C
FL50006	C-3	C
Capacitor		
C3401	B-5	C
C3402	D-2	C
C3403	D-2	C
C3404	C-2	C
C3405	C-2	C
C3406	D-2	C
C3407	B-4	C
C3408	C-4	C
C3410	D-2	C
C3411	A-2	F
C3417	D-2	C
C3418	D-2	C
C3419	C-2	C
C3420	C-2	C
C3421	D-1	C
C3422	C-2	C
C3423	C-2	C
C3424	C-2	C
C3425	C-2	C
C3426	C-2	C
C3427	C-2	C
C3428	C-2	C
C3429	C-2	C
C3430	C-2	C
C3431	D-2	C
C3432	D-2	C
C3433	D-3	C
C3435	D-2	C
C3436	C-2	C
C3440	C-4	C
C3441	C-4	C
C4402	A-2	C
C4403	A-4	F
C4404	A-2	C
C4405	A-4	F
C4406	A-4	F
C4407	B-2	C
C4408	A-5	F
C4409	A-4	F
C4410	A-2	C
C4411	B-4	F
C4412	A-2	C
C4415	A-2	C
C4416	B-4	F
C4417	A-4	F
C4418	B-4	F
C4421	A-3	C
C4423	B-4	F
C4424	A-4	F
C4426	B-4	F
C6001	C-3	C
C6002	A-1	C
C6003	C-3	C
C9001	C-2	C
C9002	C-2	C
C50001	C-3	F
C50002	C-3	C
C50004	C-3	F
C50005	B-1	C
Resistor		
R3405	C-4	C
R3407	C-2	C
R3409	D-2	C
R3410	D-2	C
R3411	D-2	C
R3412	D-3	C
R3414	B-4	C
R3415	C-1	C
R3416	C-3	C
R3417	C-3	C
R3418	C-3	C
R3419	C-4	C
R3420	C-3	C
R3421	C-3	C
R3422	C-4	C
R3423	C-4	C
R3427	B-4	C
R3430	C-3	C
R3440	D-4	C
R3442	D-3	C
R3443	A-4	C
R3444	D-3	C
R3445	B-4	C
R3447	C-4	C
R3448	C-4	C
R3449	C-4	C
R3450	C-4	C
R3451	B-4	C
R3452	B-4	C
R3453	B-4	C
R3454	B-4	C
R3455	B-4	C
R3456	B-4	C
R3457	B-5	C
R3460	B-4	C
R3461	B-4	C
R3462	B-4	C
R3463	A-2	F
R3464	A-2	F
R3465	A-2	F
R3466	A-2	F
R3467	A-2	F
R3468	A-2	F
R3470	A-2	F
R3471	A-2	F
R3472	D-3	C
R3473	D-3	C
R3476	D-3	C
R4402	A-4	F
R4403	A-4	F
R4404	A-4	F
R4405	A-4	F
R4406	A-4	F
R4407	A-5	F
R4409	A-5	F
R4411	B-5	F
R4412	B-5	F
R4414	A-4	F
R4415	B-4	F
R4418	B-4	F
R4419	B-4	F
R4420	B-4	F
R4421	B-4	F
R4422	B-4	F
R4425	A-4	F
R4426	A-4	F
R4427	A-4	F
R4428	A-4	F
R6001	B-2	F
R6002	C-3	C
R6003	B-2	F
R6004	B-2	C
R6005	B-2	C
R6006	B-2	C
R6007	B-2	C
R6008	B-2	C
R6009	A-3	F
R6010	A-3	F
R6013	B-2	F
R6018	B-2	F
R6019	B-2	F
R6020	C-2	F
R6021	C-3	F
R6022	C-2	F
R6023	C-2	F
R6028	C-3	F
R6029	C-3	F
R6030	C-3	F
R6031	C-3	F
R6035	C-3	F
R6036	C-3	F
R6037	C-1	F
R6038	C-3	F
R6040	C-2	F
R6702	A-2	F
R6703	B-2	F
R6704	A-2	F
R6706	A-2	F
R6707	B-2	F
R6709	A-2	F
R6710	B-2	F
R6711	A-2	F
R6712	B-2	F
R6713	A-2	F
R6714	B-2	F
R6715	B-2	F
R6718	B-2	F
R6720	B-2	F
R6721	A-2	F
R6722	A-2	F
R6723	A-2	F
R6724	A-2	F
R6725	A-2	F
R6726	B-2	F
R6727	A-2	F
R6728	A-2	F
R6729	C-2	C
R6730	C-2	C
R6731	A-2	F
R6733	B-2	C
R6735	B-2	C
R6737	A-4	C
R6738	A-4	C
R6739	A-2	F
R6741	A-4	C
R6742	B-2	F
R6743	B-2	F
R6744	B-2	F
R6745	B-2	F
R6746	D-3	C
R6747	D-3	C
R6748	A-2	F
R6749	A-2	F
R6750	C-2	C
R6751	C-2	C
R6752	B-1	C
R6753	A-2	F
R6754	A-2	F
R6755	A-2	F
R6756	A-2	F
R50001	B-3	F
R50002	B-3	F
R50003	B-3	F
R50004	C-3	F
R50005	C-3	F
R50006	C-3	F
R50007	C-3	F
R50008	C-3	F
R50009	C-3	F
R50010	C-3	F
R50011	C-3	F
R50012	C-2	F
R50013	C-2	F
R50015	C-3	F
R50017	C-3	F
R50018	C-1	C
R50019	C-1	C
R50020	C-1	C
R50021	C-1	C
R50022	C-1	C
R50023	C-1	C
R50024	C-1	C
R50025	C-1	C
R50026	C-1	C
R50027	C-1	C
R50028	C-1	C
R50029	C-1	C
R50030	C-1	C
R50031	D-1	C
R50032	C-1	C
R50033	C-1	C
R50034	C-1	C
R50035	C-1	C
RX3401	D-3	C
RX3402	D-3	C
RX3403	C-3	C
RX3404	B-4	C
RX3405	B-4	C
RX3406	B-3	C
RX3407	B-3	C
RX3408	D-4	C
RX3409	D-3	C
RX3410	C-4	C
RX3411	D-4	C
RX3412	C-4	C
RX3413	C-4	C
RX3414	C-4	C
RX3415	C-3	C
RX3416	C-3	C
RX3419	A-3	F
RX3420	A-3	F
RX3421	D-4	C
RX3422	D-4	C
RX3423	A-4	F
RX3424	A-3	F
RX3425	A-3	F
RX3426	A-3	F
RX3427	A-3	F
RX3428	A-3	F
RX3429	A-4	F
RX3430	A-3	F
RX3431	A-3	F
RX3432	A-3	F
RX3433	C-2	C
RX3434	B-2	C
RX3435	C-3	C
RX3436	C-3	C
RX3437	B-2	C
RX3438	B-2	C
RX3439	C-3	C
RX3440	B-3	C
RX3441	D-3	C
RX3442	D-3	C
RX3443	B-3	C
RX3444	B-3	C
RX6001	B-2	F
RX6005	A-3	F
RX6006	B-4	F
RX6009	B-3	F
RX6010	B-3	F
RX6011	B-3	F
RX6012	B-3	F
RX6013	B-3	F
RX6014	A-4	F
RX6015	B-3	F
RX6016	A-3	F
RX6017	A-3	F
RX6018	A-3	F
RX6019	B-3	F
RX6020	B-3	F
RX6021	A-3	F
RX6022	A-3	F
RX6023	B-3	F
RX6024	B-3	F
RX6025	A-3	F
RX6026	B-3	F
RX6027	B-2	F
RX6028	C-2	F
RX6029	B-2	F
RX6030	C-2	F
RX6031	C-2	F
RX6032	C-2	F
RX6033	C-2	F
RX6034	C-2	F
RX6035	C-3	F
RX6036	C-3	F
RX6037	C-3	F
RX6038	B-3	F
RX6039	C-2	F
RX6040	C-2	F
RX6041	C-1	F
RX6042	C-1	F
RX6043	C-3	F
RX6044	C-3	F
RX6706	B-2	F
RX6708	B-2	F
RX6711	B-2	F
RX6712	B-2	F
RX6716	B-1	F
RX6717	A-1	F
RX6718	A-1	F
RX6719	B-1	F
RX6720	A-1	F
RX6721	A-1	F
RX6724	B-2	F
RX6726	A-1	F
RX6727	A-1	F
RX6728	B-1	F
RX6731	A-2	F
RX6732	A-2	F
RX6733	A-2	F
RX6734	A-1	F
RX6735	A-2	F
RX6736	B-2	C
RX6737	C-2	C
RX6738	B-1	F
RX50001	B-4	F
RX50002	B-4	F
RX50003	C-4	F
RX50004	C-4	F
RX50005	C-5	F
RX50006	C-4	F
RX50007	D-4	F
RX50008	D-4	F
RX50009	B-3	F
RX50010	B-3	F
RX50011	B-3	F
RX50012	C-3	F
RX50013	C-3	F
RX50014	C-3	F
RX50015	C-3	F
RX50016	C-3	F

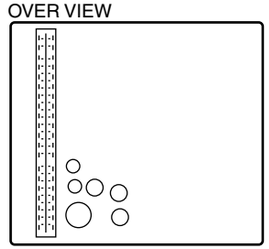
ADDRESS INFORMATION
C.....COMPONENT SIDE
F.....FOIL SIDE

Digital P.C.B.



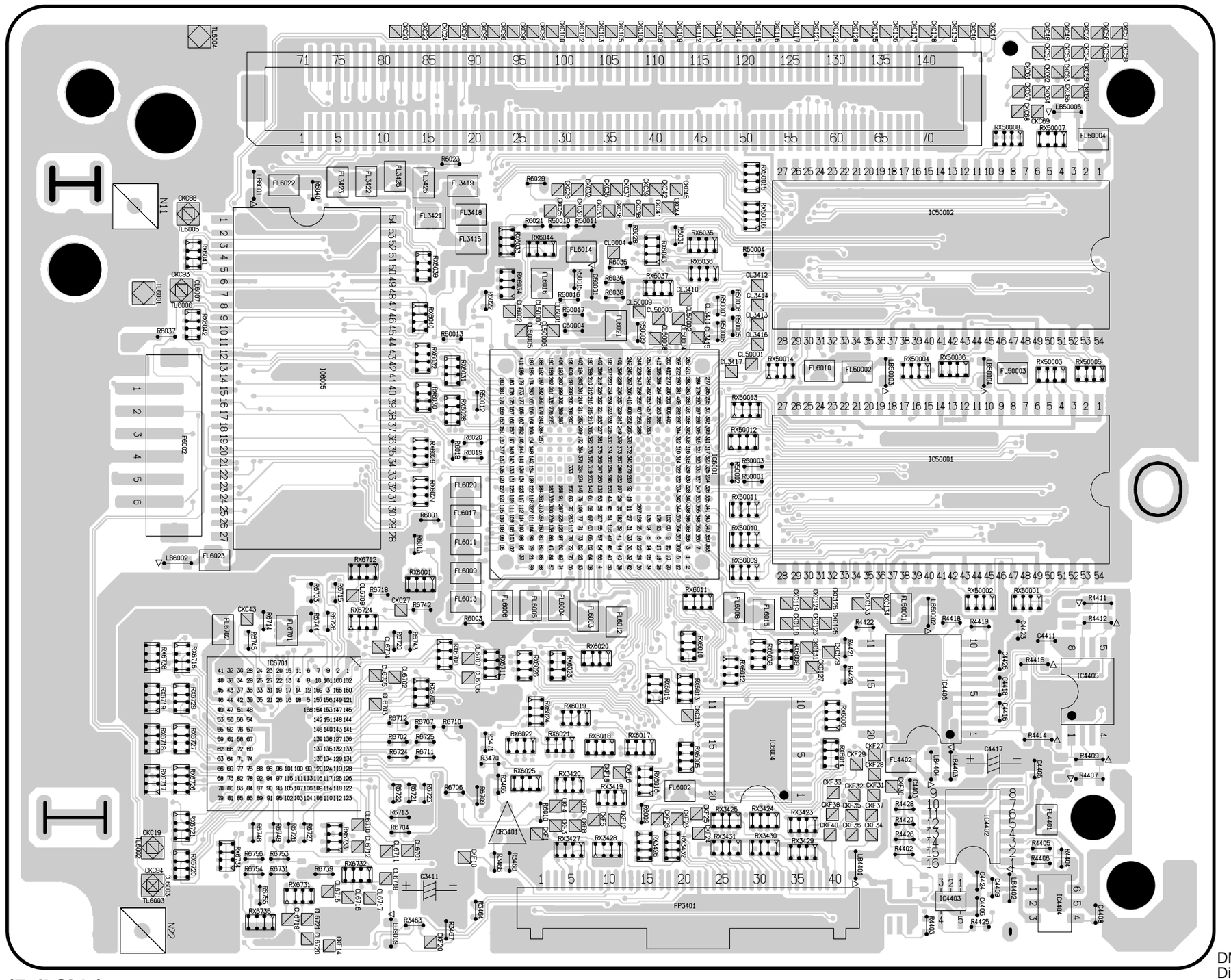
(Component Side)

OVER VIEW

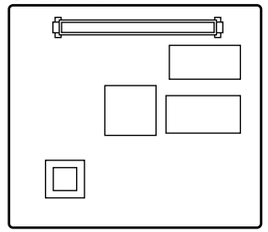


DMR-E75VEB/EG
Digital P.C.B. (Component side)
RFKBE75VEB: E75VEB
REP3717H: E75VEG

Digital P.C.B.



OVER VIEW



(Foil Side)

DMR-E75VEB/EG
Digital P.C.B. (Foil side)
RFKBE75VEB: E75VEB
REP3717H: E75VEG

D
C
B
A

1 2 3 4 5

FROM POWER SUPPLY SECTION

X SW +13V

X SW +5.8V

POWER ON Ⓗ
IC37501- 88

IP31400

IP31401

QR31301
DRIVE
(P.Ⓛ OUT)

QR31300
(POWER ON/OFF SWITCH)

IC31400
(POWER CONTROL)
FET DRIVE 7
V IN 1
V OUT 8
P Ⓛ:ON 2

IC31401
(REG.D +3.3V)
V IN 1
V OUT 8
P Ⓛ:ON 2

Q31401
(FET DRIVE)
G 3
S 4
D 1,2,5,6

IC31509
(REG.D +1.2V)
V IN 1
V OUT 3
VB 2

IC31510
(REG.D +1.5V)
V IN 7
V IN 8
V OUT 1
VCC 3
VCC 4

IC31505
(REG.+5.2V)
CONT 5
V IN 8
V OUT 1

IC31506
(REG.ANA +5V)
V IN 1
V OUT 3
P Ⓗ:ON 2

IC31507
(REG.D +5V)
V IN 8
V OUT 1
P Ⓗ:ON 5

IC31508
(REG.ANA +3.3V)
V IN 1
V OUT 3
P Ⓗ:ON 2

D +1.2V

P39702	P9001
88	88
86	86
82	82

D +1.5V

P39702	P9001
84	84
80	80
78	78

D +3.3V

TO IC37505- 2

P39702	P9001
76	76
74	74

X SW +5.8V

P31901	P6001
1,2	1,2

X SW +5.8V

P39702	P9001
87	87
85	85
81	81

REG.+5.2V

P31905	P6005
1	1
7	7

TO IC37501- 105 ,IC37503- 2

AD +5V

PP31903	PP7502
1	1

P31901	P6001
6	6

ANA +5V

P39702	P9001
79	79

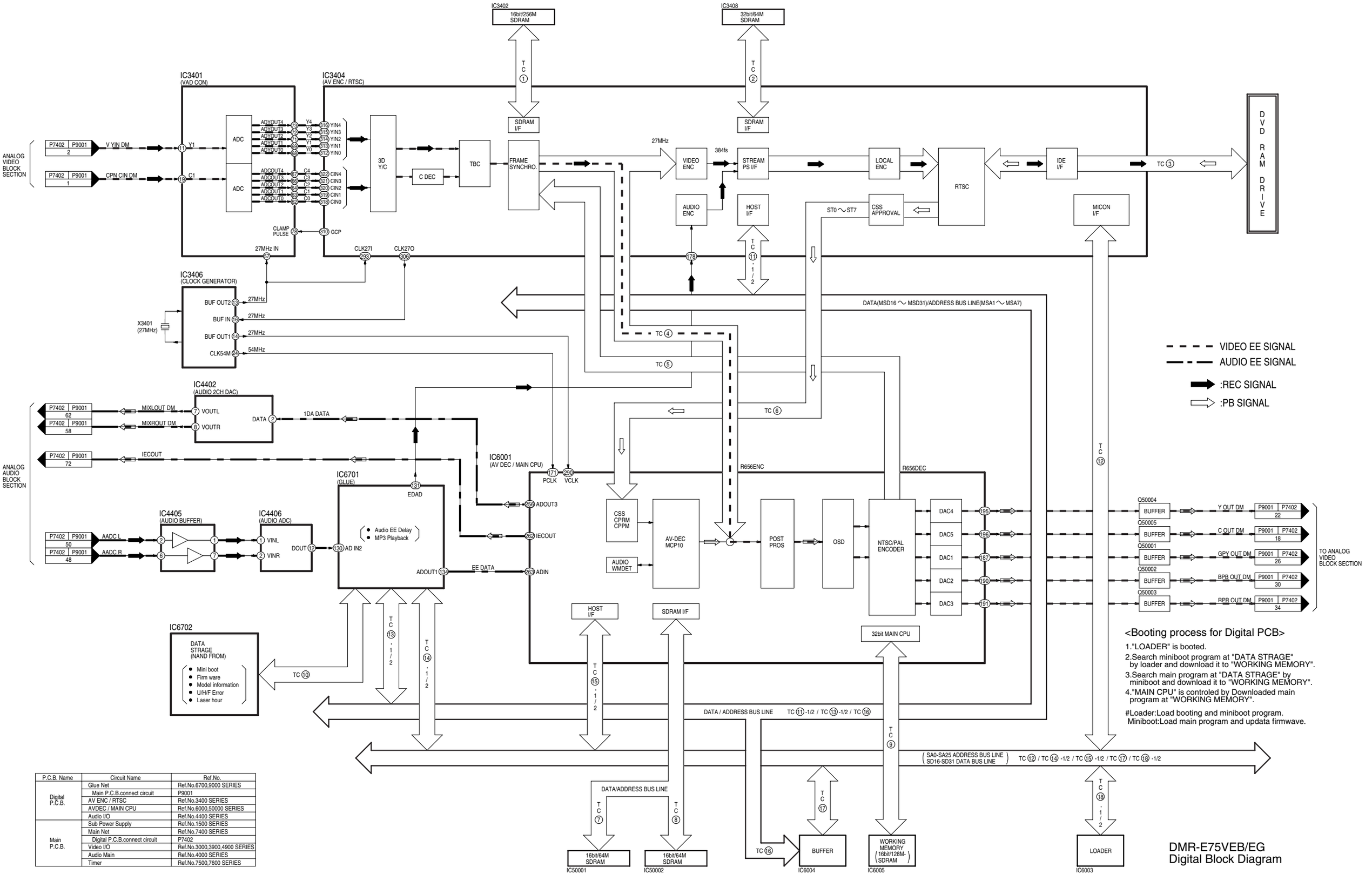
D +5V

P39702	P9001
83	83

ANA +3.3V

P39702	P9001
75	75

DMR-E75VEB/EG
Digital I/F Regulator
Block Diagram



P.C.B. Name	Circuit Name	Ref.No.
Digital P.C.B.	Glue Net	Ref.No.6700,9000 SERIES
	Main P.C.B.connect circuit	P9001
	AV ENC / RTSC	Ref.No.3400 SERIES
	AVDEC / MAIN CPU	Ref.No.6000,50000 SERIES
	Audio I/O	Ref.No.4400 SERIES
Main P.C.B.	Sub Power Supply	Ref.No.1500 SERIES
	Main Net	Ref.No.7400 SERIES
	Digital P.C.B.connect circuit	P7402
	Video I/O	Ref.No.3000,3900,4900 SERIES
	Audio Main	Ref.No.4000 SERIES
	Timer	Ref.No.7500,7600 SERIES

<Booting process for Digital PCB>

1."LOADER" is booted.
2.Search miniboot program at "DATA STRAGE" by loader and download it to "WORKING MEMORY".
3.Search main program at "DATA STRAGE" by miniboot and download it to "WORKING MEMORY".
4."MAIN CPU" is controled by Downloaded main program at "WORKING MEMORY".

#Loader:Load booting and miniboot program.
Miniboot:Load main program and updata firmwave.

DMR-E75VEB/EG
Digital Block Diagram

IC3401
AN13310B-VB
(VAD CONTROLLER)

IC3409
C0DBZGC00066
(REG.D+3.3V)

IC3406
C1DB00001110
(CLOCK GENERATOR)

IC3402
C3ABRG000036
(16bit/256M SDRAM)

GN:Glue Net Section(Page: F)
EN:AV Encoder/RTSC Section(Page: G)
MC:AV Decoder/Main CPU Section(Page: H)
AI:Audio I/O Section(Page: I)

DMR-E75VEB/EG AVENC/RTSC Section (Digital P.C.B.(2/4)) Schematic Diagram (EN)

IC3404
MN85573
(AV ENC/RTSC)

DMR-E75VEB/EG AVENC/RTSC Section (Digital P.C.B.(2/4)) Schematic Diagram (EN)

GN:Glue Net Section(Page: F)
EN:AV Encoder/RTSC Section(Page: G)
MC:AV Decoder/Main CPU Section(Page: H)
AI:Audio I/O Section(Page: I)

IC3408
C3ABPJ000048
(32bit/64M SDRAM)

QR3401
UNR521L00L
(SWITCH)

FP601
DRIVE P.C.B.
DVD RAM DRIVE UNIT
FP3401

NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

DMR-E75VEB/EG AVENC/RTSC Section (Digital P.C.B.(2/4)) Schematic Diagram (EN)

DMR-E75VEB/EG AVENC/RTSC Section (Digital P.C.B.(2/4)) Schematic Diagram (EN)

TIMER DISPLAY
DP7501
A2BB00000133

R7510
5.6

IC7502
C0HBB0000033
(FIP DRIVE)

LB7502
0

R7505
27K

C7525
100P

C7501
0.1

C7502
6V47

LB7501
0

TO PP31904
POWER AND DIGITAL I/F P.C.B.
(DIGITAL I/F SECTION)
PP7501

DVD KEY IN1
DVD KEY IN2
DVD KEY IN3
DUB LED (H)
T WARP LED (H)

S7501
EVQ11G04M
OPEN/CLOSE

R7504
1200

R7501
1200

R7502
1500

S7502
EVQ11G07K
TO DVD

S7503
EVQ11G07K
TO VHS

S7504
EVQ11G07K
REC

S7505
EVQ11G07K
CHUP

S7506
EVQ11G07K
CHDN

R7506
2200

R7507
3300

S7507
EVQ11G07K
PLAY

S7508
EVQ11G07K
STOP

R7539
220

D7507
B3AAA0000540
DUB

QR7510
UNR521100L
(DUB LED DRIVE)

R7508
220

D7501
B3ABA0000402
T WARP

QR7501
UNR521100L
(T WARP LED DRIVE)

TO P6601
MAIN P.C.B.
(SYSCON/TIMER SECTION)
PP7503

GND
GND
VP
F+
F-

L7501
22u

C7505
1

Q7501
2SD1819A0L
(FIP DRIVE)

R7512
10K

R7513
68K

TO PP31903
POWER AND DIGITAL I/F P.C.B.
(DIGITAL I/F SECTION)
PP7502

GND
FL RST
FL CS
GND
GND
AD 5V

R7514
0

R7515
100

R7526
100

R7527
100

NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

DMR-E75VEB/EG
FL Drive
Schematic Diagram

VIDEO MAIN SIGNAL PATH IN REC MODE
AUDIO MAIN SIGNAL PATH IN REC MODE

IC7801
PNA4618M12VT
(REMOTE CTL.RECEIVER)

R7801
220

C7801
0.1

TO PS33001
MAIN P.C.B.
(SYSCON/SERVO/TIMER SECTION)
PP4801

GND	1
AV3 Y IN	2
GND	3
AV3 C IN	4
AUDIO AV3 IN R	5
AV3 SW IN Ⓛ	6
AUDIO AV3 IN L	7
VTR KEY 2	8
VIDEO AV3 IN	9
IR	10
VTR KEY 1	11
5V(AD)	12

R7802 1800 — S7806 EVQ11G07K [POWER]
R7803 3300 — S7805 EVQ11G07K [FF]
R7804 4700 — S7803 EVQ11G07K [SKIP-R]
R7806 6800 — S7802 EVQ11G07K [STOP]
S7801 EVQ11G07K [CH UP]

R7807 1800 — S7813 EVQ11G07K [EJECT]
R7808 3300 — S7812 EVQ11G07K [REW]
R7809 4700 — S7810 EVQ11G07K [SKIP-F]
R7810 6800 — S7809 EVQ11G07K [CH DN]
R7812 12K — S7808 EVQ11G07K [PLAY]
S7807 EVQ11G07K [REC]

AV3
JK4802
K2HZ107A0001
FRONT S-VHS JACK

C
Y

LB4801
0

LB4803
0

R4804
1K

R4801 75

R4802 75

C4801 0.01

C4802 0.1

R4803
75

AUDIO IN
VIDEO IN
L ch/ MONO
R ch

JK4801
K2HA307A0003
FRONT A/V JACK
AV3

LB4802
0

R4806
470

R4805 470

C4804
100P

C4803
100P

C4805
1000P

C4806
1000P

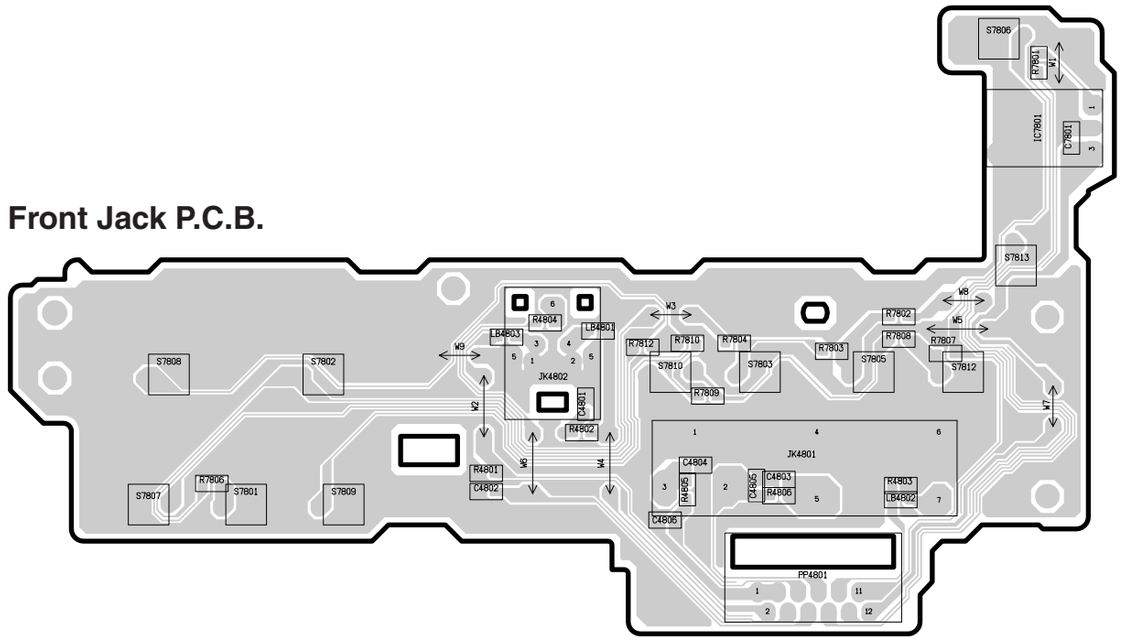
NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERRING.THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST,AND MAY BE SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

DMR-E75VEB/EG
Front Jack
Schematic Diagram

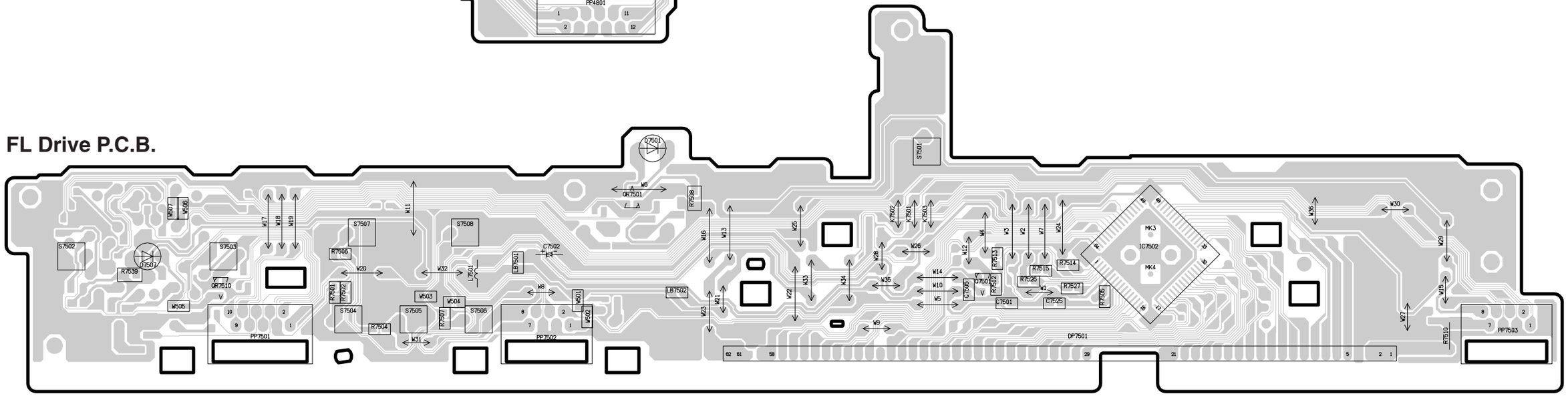
Ref No. / MODE	IC7801		
	1	2	3
STOP	4.8	0	4.8

Ref No.	IC7502																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	4.8	0.8	4.2	3.8	0	2.2	2.2	5.1	-23.3	-20.3	-23.2	-26.1	-26.3	-29.3	-20.0	-26.1	-29.3	5.1	-23.1	-26.2
Ref No.	IC7502																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	-23.2	-29.3	-26.2	-19.9	-23.1	-22.8	-23.0	-17.2	-29.2	-20.2	-20.2	-20.0	-20.1	-22.9	-20.1	-29.3	-29.2	-29.3	-29.3	-23.2
Ref No.	IC7502																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	-29.3	-22.9	-26.1	-23.2	-29.3	-29.3	-29.3	-29.3	-29.3	-29.3	-29.3	-29.3	-29.3	-26.3	-26.3	-26.3	-26.3	-26.3	-26.5	-26.3
Ref No.	IC7502																			
MODE	61	62	63	64																
STOP	-26.3	-26.3	-26.3	-29.7																
Ref No.	Q7501				QR7501				QR7510											
MODE	E	C	B		E	C	B		E	C	B									
STOP	-26.5	5.1	-26.5		0	3.7	0		0	3.8	0									

Front Jack P.C.B.



FL Drive P.C.B.



DMR-E75VEB/EG
Front Jack P.C.B. (VEP04868C)
FL Drive P.C.B. (VEP07A74C)

GN:Glue Net Section(Page: F)
EN:AV Encoder/RTSC Section(Page: G)
MC:AV Decoder/Main CPU Section(Page: H)
AI:Audio I/O Section(Page: I)

TO P39702
POWER & DIGITAL I/F P.C.B.
(DIGITAL I/F SECTION)
P9001

D1.2V 88
X SW 5.8V 87
D1.2V 86
X SW 5.8V 85
D1.5V 84
D5V 83
D1.2V 82
X SW 5.8V 81
D1.5V 80
ANA5V 79
D1.5V 78
GND 77
D3.3V 76
ANA3.3V 75
D3.3V 74
73
IECOUT 72
71
XDMUTE 70
UARTG2P 69
AU5V 68
DGND 67
66
UARTP2G 65
AUGND 64
DGND 63
MIXLOUT DM 62
DGND 61
AUGND 60
DGND 59
MIXROUT DM 58
DGND 57
AUGND 56
55
AUGND 54
53
AUGND 52
51
AADC L 50
49
AADC R 48
47
DGND 46
45
DGND 44
43
42
41
DGND 40
SBMTM 39
CSYNC IN 38
SBMTP 37
DGND 36
XMPREQ 35
RPROUT DM 34
SCLK 33
DGND 32
31
BPBOUT DM 30
XINTP 29
DGND 28
XINTM 27
GPYOUT DM 26
25
DGND 24
23
YOUT DM 22
21
DGND 20
19
COUT DM 18
17
DGND 16
15
DGND 14
R/CR IN 13
DGND 12
DGND 11
10
B/CB IN 9
DGND 8
DGND 7
RGB CPSVIN 6
G/CY IN 5
DGND 4
DGND 3
V YIN DM 2
CPNCIN DM 1

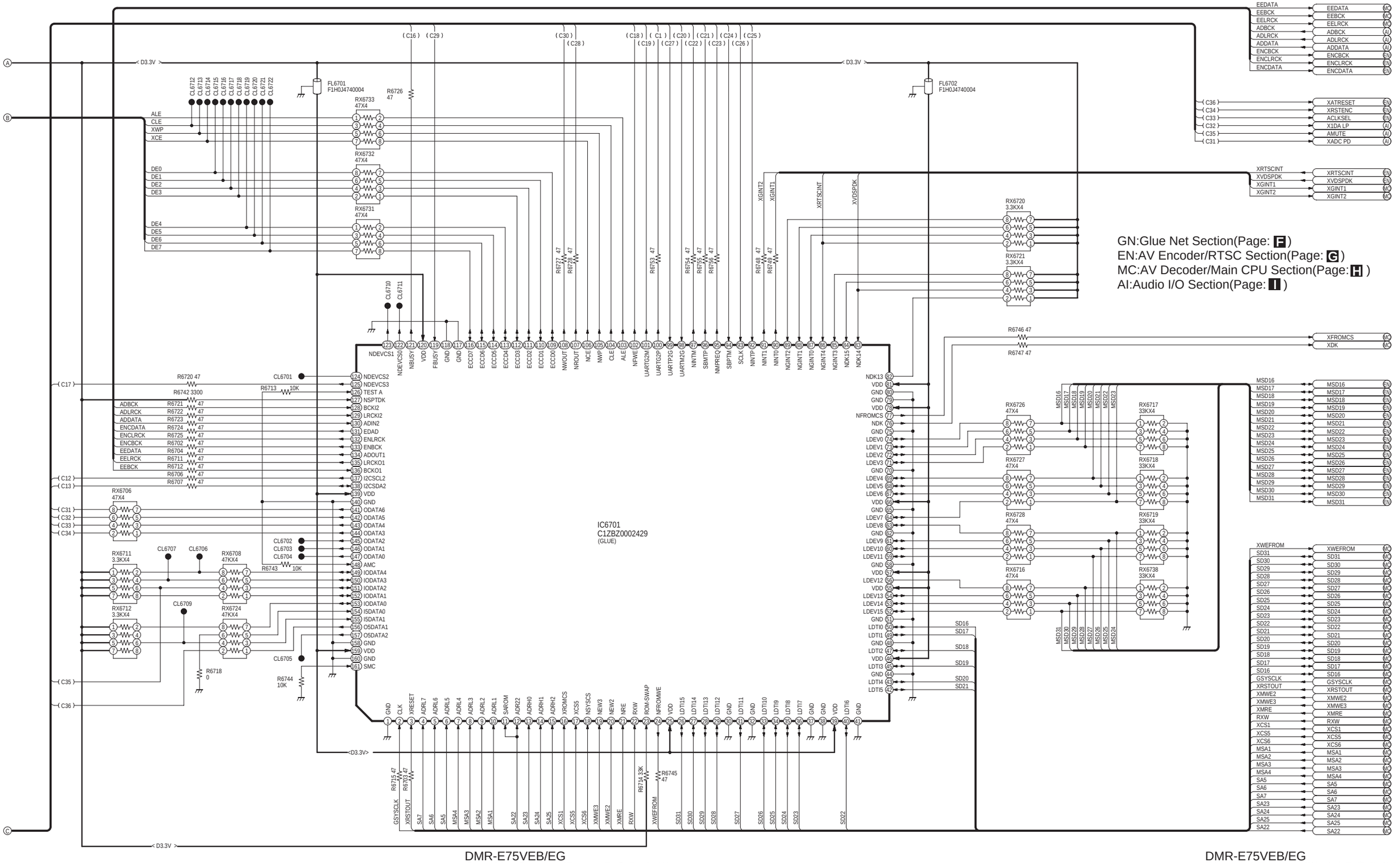
CKG82 CKG78 CKG74 CKG83
CKG79 CKG75
R6731 2200
CKG58 CKG62 CKG65 CKG68 CKG69 CKG70 CKG72
CKG52
CKG26 CKG27 CKG29 CKG30 CKG31 CKG33 CKG34 CKG35 CKG37 CKG39 CKG41 CKG42 CKG45 CKG47 CKG48 CKG50
R6750 47
LB9002 J0JHC0000032
LB9001 J0JHC0000032
C9002 47P
C9001 47P
CKG1 CKG2 CKG5 CKG6 CKG9 CKG13 CKG18 CKG19 CKG21 CKG22

D1.2V (MC) DGND (AI EN MC)
D3.3V
D5V (EN)
ANA5V (EN) D1.5V (EN)
D3.3V (AI EN MC) ANA3.3V (EN MC)
LB9009 J0JHC0000046
IECOUT (MC)
XDMUTE (AI)
C1 LB9008 J0JHC0000045
AU5V (AI)
C2
LB9007 J0JCC0000103
MIXLOUT DM (AI)
LB9006 J0JCC0000103
MIXROUT DM (AI)
AUGND (AI)
AADC L (AI)
AADC R (AI) ITA2M (MC)
ITM2A (MC)
R6752 100
R6751 47
PRGSEL (MC) EPG ON (H) (MC)
C3 CSYNC IN (EN)
C4 RPROUT DM (MC)
C5
C6 BPBOUT DM (MC)
C7
C8 GPYOUT DM (MC)
C9
C12 YOUT DM (MC)
C13 COUT DM (MC)
BSON (MC)
R CR IN (EN)
B CB IN (EN)
RGB CPSVIN (EN) G/CY IN (EN)
V YIN DM (EN) CPNCIN DM (EN)
MC UARTG2M C14
MC UARTM2G C15
MC XIRQ0 C16
EN XVDSPCS C17

D3.3V
FL6703 F1H0J4740004
R6739 1K
XCE
DE7 DE6 DE5 DE4
R6737 47
C28
C29
VCC XCE XRE RXB XSE NC NC NC NC NC NC NC NC NC NC NC NC D7 D6 D5 D4 VCC
VSS CLE ALE XWE XWP NC NC NC NC NC NC NC NC NC NC NC NC D0 D1 D2 D3 VSS
IC6702
RFKBE75VEB: E75VEB
REP3717H: E75VEG
(DATA STRAGE)
R6741 10K
CLE ALE XWP
DE0 DE1 DE2 DE3
R6738 47
C30

<D5V>
R6709 3300
R6710 3300
R6729 100K
R6730 10K
Q6701 B1ABCF000114 (BUFFER)
RX6734 47X4
RX6735 2.2KX4
RX6736 10KX4
R6733 10K
R6735 4700
RX6737 4.7KX4
Q6705 B1ABCF000114 (BUFFER)
Q6704 B1ABCF000114 (BUFFER)
Q6703 B1ABCF000114 (BUFFER)
Q6702 B1ABCF000114 (BUFFER)
C18 C15 C14 C19 C20 C7 C4 C5 C9 C21 C22 C23 C24 C25 C26 C27 C2 C3 C8 C6

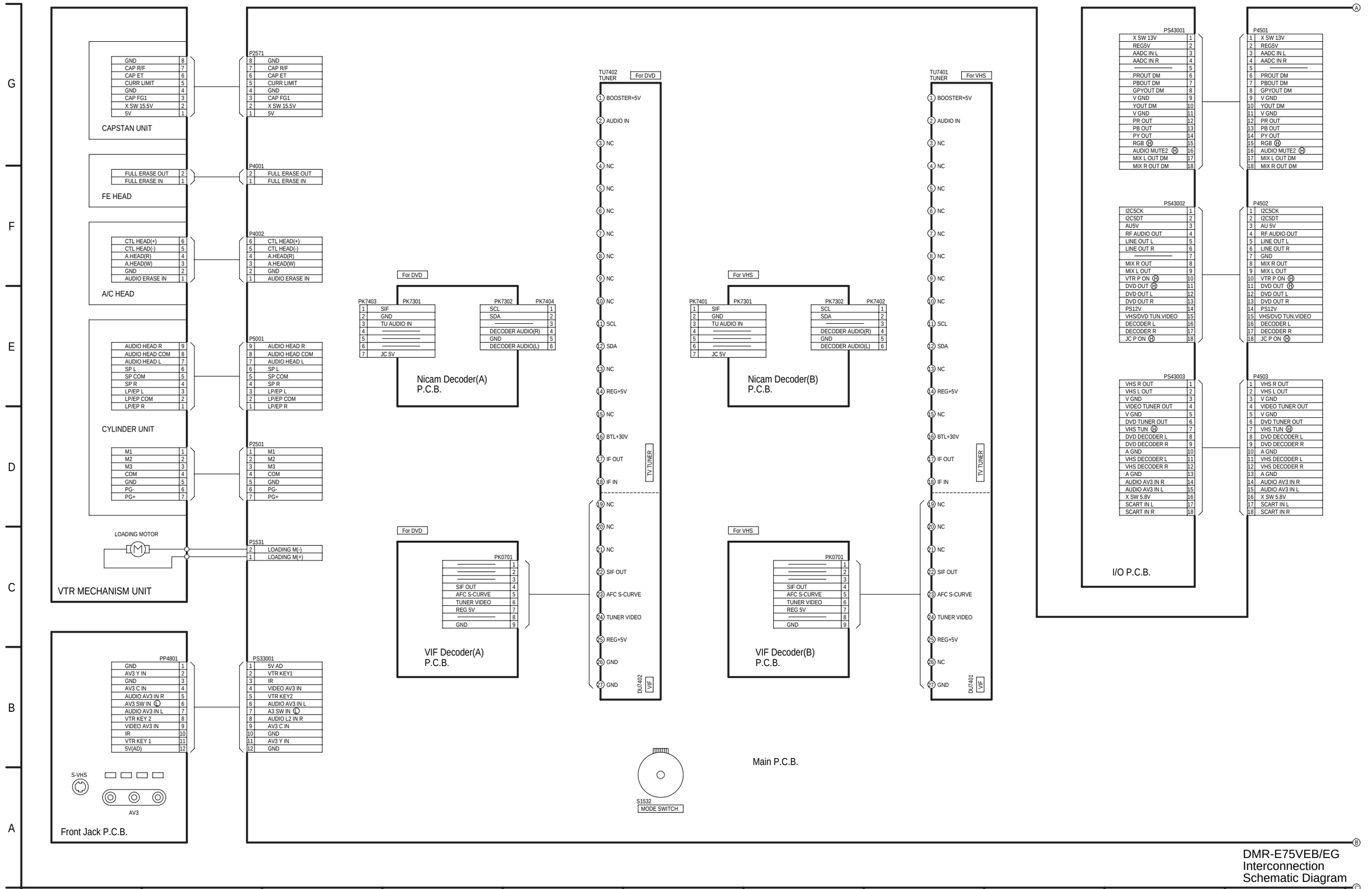
DMR-E75VEB/EG
Glue Net Section (Digital P.C.B.(1/4))
Schematic Diagram (GN)



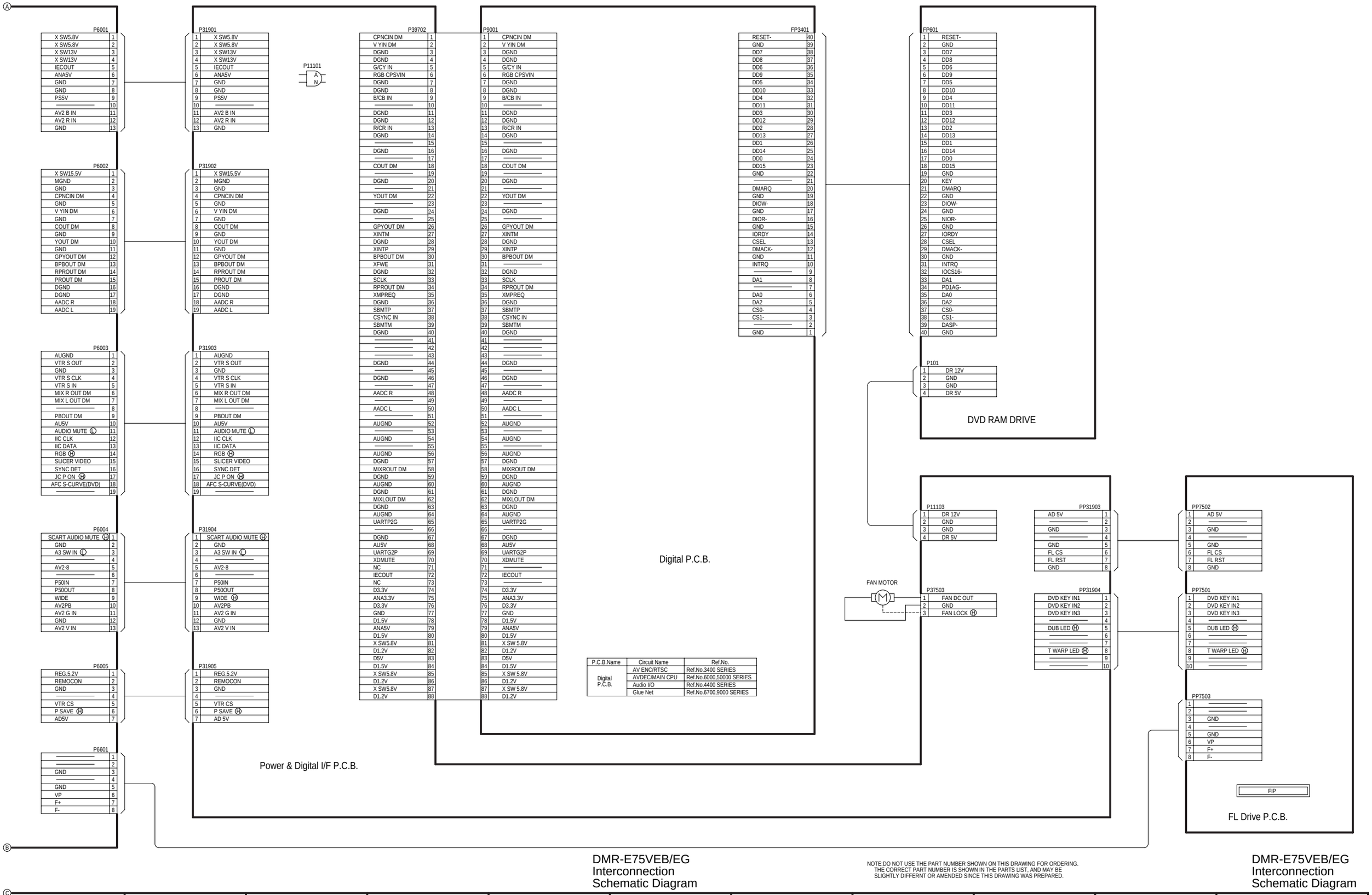
DMR-E75VEB/EG
Glue Net Section (Digital P.C.B.(1/4))
Schematic Diagram (GN)

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DMR-E75VEB/EG
Glue Net Section (Digital P.C.B.(1/4))
Schematic Diagram (GN)



DMR-E75VEB/EG
Interconnection
Schematic Diagram



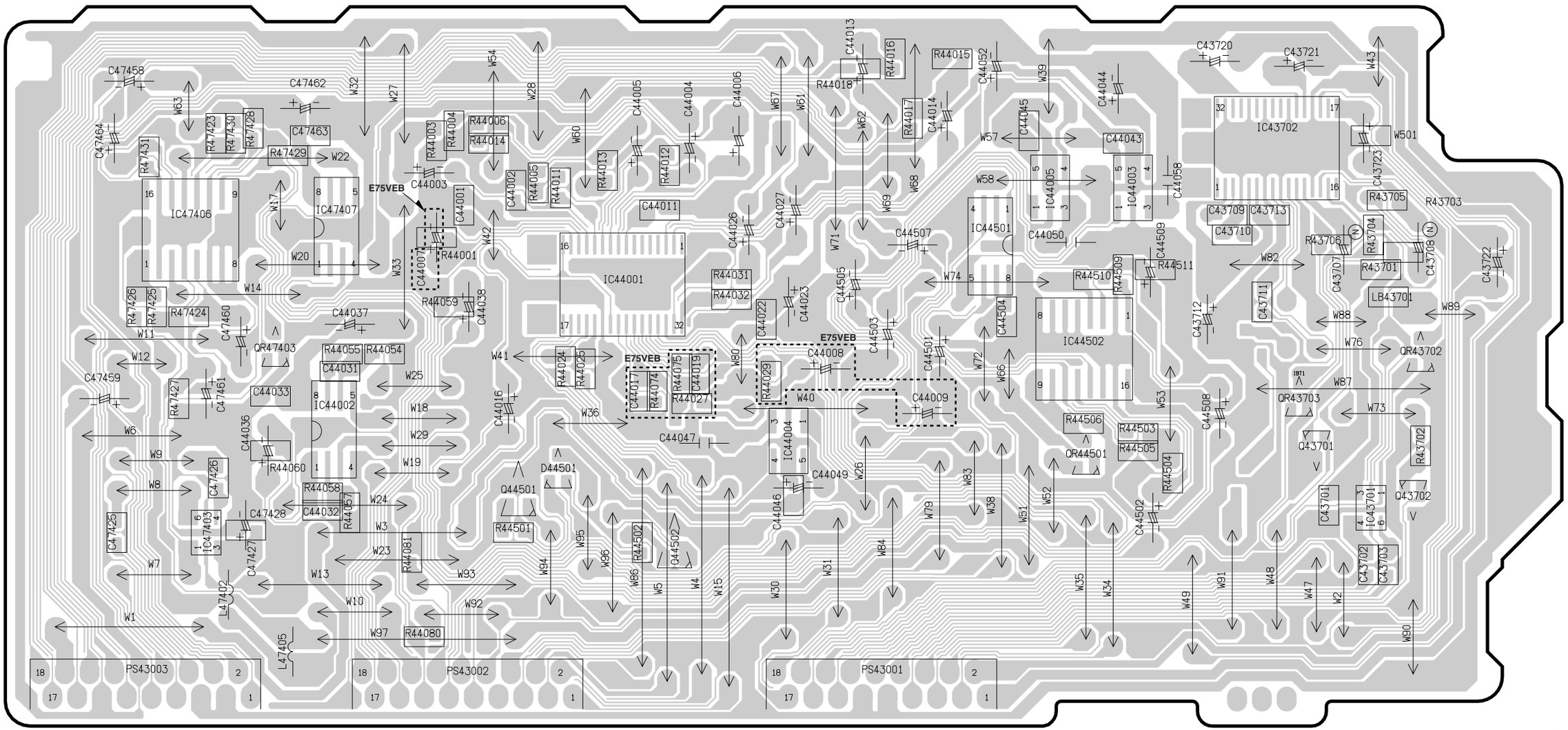
DMR-E75VEB/EG
Interconnection
Schematic Diagram

NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.
THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE
SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

DMR-E75VEB/EG
Interconnection
Schematic Diagram

I/O P.C.B.																							
Integrated Circuit		**Transistor-resistor**		C43703	B-8	C44007	C-3	C44038	C-3	C47425	B-1	R44001	C-3	R44032	C-5	R44510	C-7
IC43701	B-8	QR43702	C-8	C43707	C-8	C44008	C-5	C44043	D-7	C47426	B-2	R44003	D-3	R44054	C-3	R44511	C-7
IC43702	D-8	QR43703	C-8	C43708	C-8	C44009	C-6	C44044	D-7	C47427	B-2	R44004	D-3	R44055	C-3	R47423	D-2
IC44001	C-4	QR44501	B-7	C43709	D-7	C44011	D-4	C44045	D-6	C47428	B-2	R44005	D-4	R44057	B-3	R47424	C-2
IC44002	B-3	QR47403	C-2	C43710	C-7	C44013	D-5	C44046	B-5	C47458	D-2	R44006	D-3	R44058	B-3	R47425	C-2
IC44003	D-7	**Connector**		C43711	C-7	C44014	D-6	C44047	B-5	C47459	C-1	R44011	D-4	R44059	C-3	R47426	C-2
IC44004	B-5	PS43001	A-5	C43712	C-7	C44016	C-4	C44049	B-5	C47460	C-2	R44012	D-4	R44060	B-2	R47427	C-2
IC44005	D-6	PS43002	A-3	C43713	D-8	C44017	C-4	C44050	C-6	C47461	C-2	R44013	D-4	R44074	C-4	R47428	D-2
IC44501	C-6	PS43003	A-2	C43720	D-7	C44019	C-5	C44052	D-6	C47462	D-2	R44014	D-3	R44075	C-4	R47429	D-2
IC44502	C-7	**Diode**		C43721	D-8	C44022	C-5	C44058	D-7	C47463	D-2	R44015	D-6	R44080	A-3	R47430	D-2
IC47403	B-2	D44501	B-4	C43722	C-9	C44023	C-5	C44501	C-6	C47464	D-1	R44016	D-6	R44081	B-3	R47431	D-2
IC47406	C-2	**Coil**		C43723	D-8	C44026	C-5	C44502	B-7	**Resistor**		R44017	D-6	R44501	B-4		
IC47407	C-3	L47402	B-2	C44001	D-3	C44027	D-5	C44503	C-5	R43701	C-8	R44018	D-5	R44502	B-4		
Transistor		L47405	A-2	C44002	D-4	C44031	C-3	C44504	C-6	R43702	B-8	R44024	C-4	R44503	B-7		
Q43701	B-8	LB43701	C-8	C44003	D-3	C44032	B-3	C44505	C-5	R43703	C-8	R44025	C-4	R44504	B-7		
Q43702	B-8	**Capacitor**		C44004	D-4	C44033	C-2	C44507	C-6	R43704	C-8	R44027	C-4	R44505	B-7		
Q44501	B-4	C43701	B-8	C44005	D-4	C44036	B-2	C44508	C-7	R43705	D-8	R44029	C-5	R44506	B-7		
Q44502	B-4	C43702	B-8	C44006	D-5	C44037	C-3	C44509	C-7	R43706	C-8	R44031	C-5	R44509	C-7		

I/O P.C.B.



DMR-E75VEB/EG
I/O P.C.B.
(VEP03G68B : E75VEB)
(VEP03G68A : E75VEG)

Ref No.	IC43701																			
MODE	1	2	3	4	5	6														
REC	0	1.7	4.9	2.4	0	2.4														
PLAY	0	1.7	4.9	2.4	0	2.4														
STOP	0	1.7	4.9	2.4	0	2.4														

Ref No.	IC43702																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
REC	2.1	4.9	2.7	0	2.2	4.9	0	2.6	0	2.0	4.9	2.8	0	2.8	4.9	2.2	2.3	0	2.3	0
PLAY	2.1	4.9	2.7	0	2.2	4.9	0	2.6	0	2.0	4.9	2.8	0	2.8	4.9	2.2	2.3	0	2.3	0
STOP	2.1	4.9	2.7	0	2.2	4.9	0	2.6	0	2.0	4.9	2.8	0	2.8	4.9	2.2	2.3	0	2.3	0

Ref No.	IC43702											
MODE	21	22	23	24	25	26	27	28	29	30	31	32
REC	2.3	2.3	0	1.3	1.2	0	1.6	0	1.3	1.2	0	2.3
PLAY	2.3	2.3	0	1.3	1.2	0	1.6	0	1.3	1.2	0	2.3
STOP	2.3	2.3	0	1.3	1.2	0	1.6	0	1.3	1.2	0	2.3

Ref No.	IC44001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
REC	0	4.4	4.4	0	0	4.5	4.5	3.4	4.4	4.4	4.4	4.4	4.4	4.4	0	4.5	0	8.0	0	4.6
PLAY	0	4.4	4.4	0	0	4.5	4.5	3.4	4.4	4.4	4.4	4.4	4.4	4.4	0	4.5	0	8.0	0	4.6
STOP	0	4.4	4.4	0	0	4.5	4.5	3.4	4.4	4.4	4.4	4.4	4.4	4.4	0	4.5	0	8.0	0	4.6

Ref No.	IC44001											
MODE	21	22	23	24	25	26	27	28	29	30	31	32
REC	4.2	0	4.5	8.2	0	0	8.2	4.5	4.5	8.9	4.4	4.4
PLAY	4.2	0	4.5	8.2	0	0	8.2	4.5	4.5	8.9	4.4	4.4
STOP	4.2	0	0	8.2	0	0	8.2	4.5	4.5	8.9	4.4	4.4

Ref No.	IC44002								IC44003					IC44004				
MODE	1	2	3	4	5	6	7	8	1	2	3	4	5	1	2	3	4	5
REC	4.9	2.5	2.5	0	2.5	2.5	5.0	12.0	4.8	0	1.3	12.0	12.7	4.8	0	1.3	5.0	5.8
PLAY	4.9	2.5	2.5	0	2.5	2.5	5.0	12.0	4.8	0	1.3	12.0	12.7	4.8	0	1.3	5.0	5.8
STOP	4.9	2.5	2.5	0	2.5	2.5	5.0	12.0	4.8	0	1.3	12.0	12.7	4.8	0	1.3	5.0	5.8

Ref No.	IC44005						IC44501							
MODE	1	2	3	4	5		1	2	3	4	5	6	7	8
REC	4.7	0	1.3	8.9	12.7		6.0	6.0	5.9	0	5.9	6.0	6.0	12.0
PLAY	4.7	0	1.3	8.9	12.7		6.0	6.0	5.9	0	5.9	6.0	6.0	12.0
STOP	4.7	0	1.3	8.9	12.7		6.0	6.0	5.9	0	5.9	6.0	6.0	12.0

Ref No.	IC44502															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
REC	5.9	0	5.9	5.9	0	0	0	0	0.1	0.1	5.9	5.9	5.9	0	0	12.0
PLAY	5.9	0	5.9	5.9	0	0	0	0	0.1	0.1	5.9	5.9	5.9	0	0	12.0
STOP	5.9	0	5.9	5.9	0	0	0	0	12.0	12.0	5.9	5.9	5.9	0	0	12.0

Ref No.	IC47403					
MODE	1	2	3	4	5	6
REC	0	4.3	12.0	5.0	0	5.0
PLAY	0	4.3	12.0	5.0	0	5.0
STOP	0	4.2	12.0	5.0	0	4.9

Ref No.	IC47406															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
REC	5.9	6.0	5.9	6.0	5.9	0	0	0	0	11.9	6.0	5.9	5.9	5.9	6.0	12.0
PLAY	5.9	6.0	5.9	6.0	5.9	0	0	0	0	11.9	6.0	5.9	5.9	5.9	6.0	12.0
STOP	5.9	6.0	5.9	6.0	5.9	0	0	0	0	11.9	6.0	5.9	5.9	5.9	6.0	12.0

Ref No.	IC47407							
MODE	1	2	3	4	5	6	7	8
REC	6.0	6.0	5.9	0	5.9	6.0	6.0	12.0
PLAY	6.0	6.0	5.9	0	5.9	6.0	6.0	12.0
STOP	6.0	6.0	5.9	0	5.9	6.0	6.0	12.0

Ref No.	Q43701			Q43702			Q44501			Q44502		
MODE	E	C	B	E	C	B	E	C	B	E	C	B
REC	1.6	0	1.0	1.6	0	1.0	0	0	0	0	0	0
PLAY	1.6	0	1.0	1.6	0	1.0	0	0	0	0	0	0
STOP	1.6	0	1.0	1.6	0	1.0	0	0	0	0	0	0

Ref No.	QR43702			QR43703			QR44501			QR47403		
MODE	E	C	B	E	C	B	E	C	B	E	C	B
REC	0	2.8	0	0	2.8	0	0	12.0	0	0	12.0	0
PLAY	0	2.8	0	0	2.8	0	0	12.0	0	0	12.0	0
STOP	0	2.8	0	0	2.8	0	0	12.0	0	0	11.9	0

Main P.C.B.

Integrated Circuit	
IC1511	D-2
IC1512	B-2
IC2501	F-4
IC3001	C-4
IC3002	C-2
IC3501	B-3
IC3502	C-3
IC3901	B-7
IC3902	B-8
IC3903	C-7
IC3904	E-7
IC4501	B-4
IC6001	E-3
IC6003	E-1
IC6004	E-1
IC6201	E-3
IC6202	E-2
IC6302	E-4
IC7401	B-7
IC7402	B-7
IC7405	A-7
IC23001	E-7

Transistor	
Q1501	F-3
Q1502	A-3
Q3001	D-3
Q3002	C-4
Q3501	C-3
Q3502	B-3
Q3901	D-7
Q3902	B-6
Q3903	B-7
Q3904	B-7
Q3905	D-6
Q3906	E-7
Q3907	E-6
Q4001	C-5
Q4002	C-5
Q4003	B-2
Q4004	B-2
Q4501	B-2
Q4502	C-1
Q6001	D-3
Q6002	D-2
Q6003	D-3
Q6004	E-1
Q6305	F-2
Q6401	F-2
Q7401	B-5
Q7402	A-6
Q7403	A-6
Q7901	D-1
Q7902	C-2
Q23001	F-6
Q24002	D-7
Q24003	D-7
Q37501	F-1
Q37502	F-2
Q37513	F-2

Transistor-resistor	
QR3001	D-5
QR3002	D-4
QR3003	C-4
QR3004	D-4
QR3005	D-5
QR3501	C-3
QR3701	F-5
QR3901	B-8
QR3902	B-8
QR3903	C-6
QR3908	E-6
QR3913	E-7
QR4003	C-5
QR4004	C-5
QR4005	B-2
QR4501	A-4
QR4502	B-4
QR4503	A-4
QR4504	B-4

QR6402	F-2
QR6403	F-2
QR7401	B-5
QR7402	A-6
QR23901	D-7
QR23902	D-7
QR23903	D-7

Test Point	
TL23	D-2
TL24	B-2
TL2015	E-3
TL2502	E-4
TL4501	B-4
TL6001	D-3
TL6002	F-1
TL6004	D-2
TL6010	E-3
TW1343	E-5
TW2001	F-5
TW2002	F-5
TW3001	A-3
TW4501	C-6
TW4502	A-4
TW4503	E-1

Connector	
JK3901	C-7
JK3903	F-8
JK23902	E-8
JK24302	D-8
P1531	E-5
P2501	E-5
P2571	E-4
P4001	B-4
P4002	D-5
P4501	D-6
P4502	D-6
P4503	C-6
P5001	C-5
P6001	F-6
P6002	F-6
P6003	F-5
P6004	F-3
P6005	F-1
P6601	D-1
PS33001	A-1

Diode	
D1501	D-3
D2001	E-3
D2002	E-3
D2501	E-5
D2502	F-4
D3001	D-4
D3501	C-2
D3901	B-7
D3906	D-6
D4501	B-4
D4502	B-2
D4503	C-1
D6306	F-2
D6401	F-2
D7401	B-6
D7402	A-7
D7751	F-1
D7901	D-1
D7902	C-1
D7903	D-1
D7904	D-1
D7905	D-1
D7906	D-1
D24001	D-7
D37402	F-2

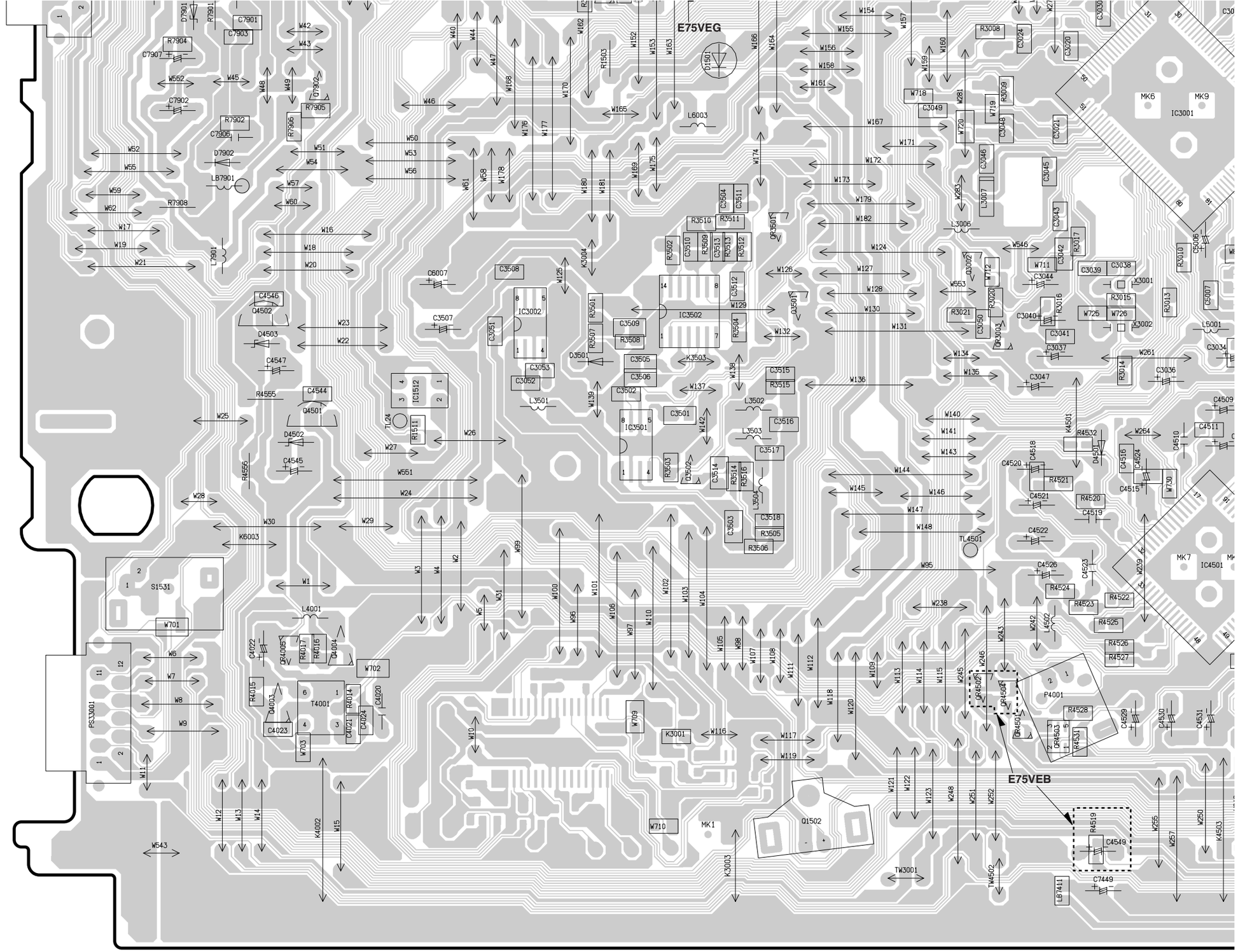
Crystal Osillator	
X3001	C-4
X3002	C-4
X6001	D-2
X6002	D-2

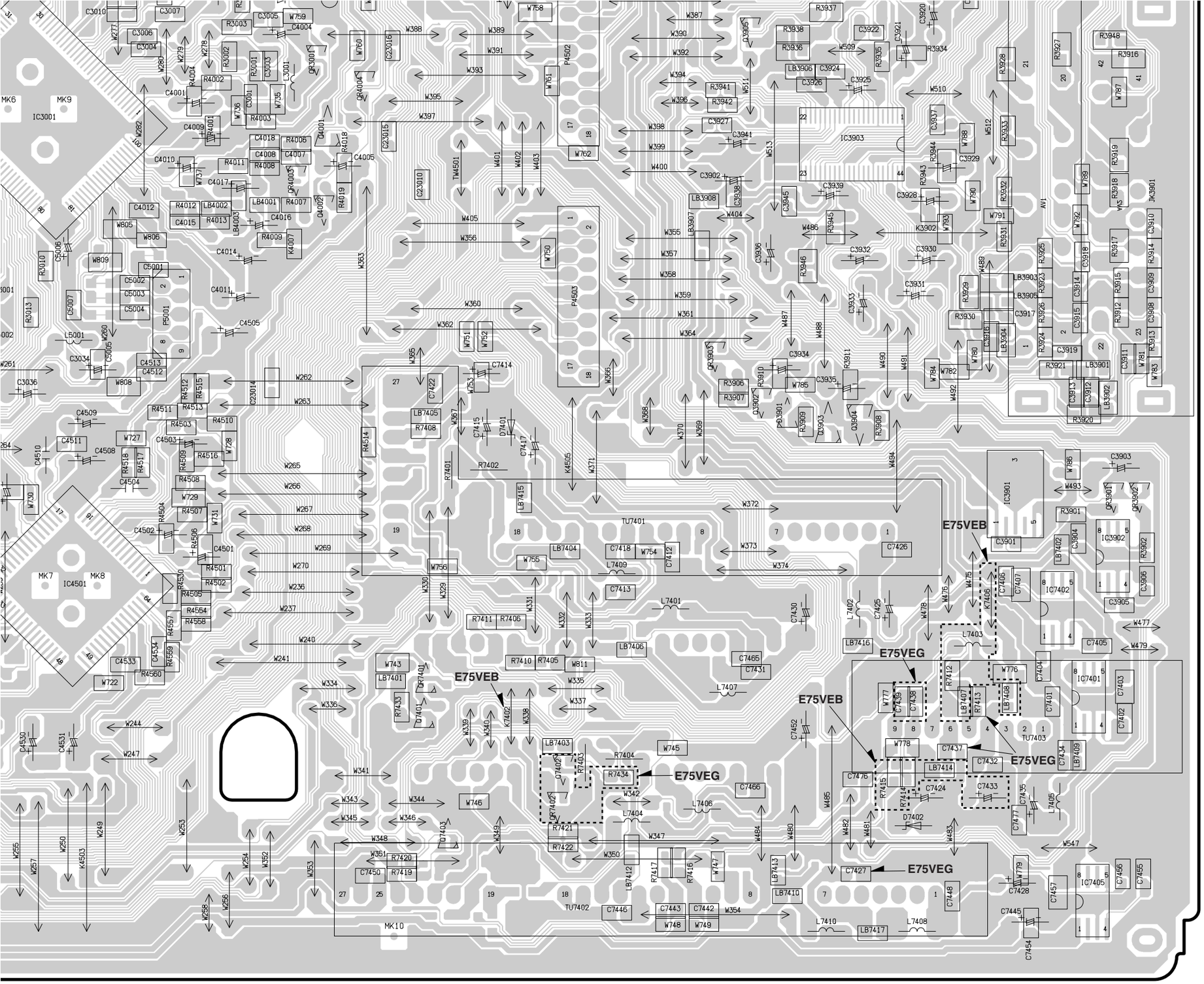
Coil	
L3001	C-5
L3002	D-4
L3003	D-4
L3004	D-4
L3006	C-4
L3007	C-4
L3008	D-5
L3501	B-2
L3502	B-3
L3503	B-3
L3504	B-3
L4001	B-2
L4002	D-5
L4502	B-4
L5001	C-4
L6001	D-3
L6002	D-2
L6003	C-3
L6004	D-3
L6006	E-1
L7401	B-6
L7402	B-7
L7403	B-7
L7404	A-6
L7405	A-7
L7406	A-6
L7407	B-6
L7408	A-7
L7409	B-6
L7410	A-7
L7901	C-1
L7902	D-1
L24901	F-7
LB3901	C-7
LB3902	C-8
LB3903	C-7
LB3904	C-7
LB3905	C-7
LB3906	C-7
LB3907	C-6
LB3908	C-6
LB4001	C-5
LB4002	C-5
LB4003	C-5
LB7401	B-5
LB7402	B-7
LB7403	A-6
LB7404	B-6
LB7405	B-5
LB7406	B-6
LB7407	B-7
LB7408	B-7
LB7409	A-7
LB7410	A-7
LB7411	A-4
LB7412	A-6
LB7413	A-7
LB7414	A-7
LB7415	B-6
LB7416	B-7
LB7417	A-7
LB7901	C-1
LB23001	E-6
LB23002	F-6
LB23901	D-7
LB23902	D-8
LB23903	D-8
LB23908	E-7
LB23909	E-7
LB23910	F-7
LB23912	E-8
LB23914	D-8
LB23917	E-7
LB23918	E-7
LB29316	E-8

Capacitor	
C2001	E-3
C2003	E-3
C2051	E-3
C2053	E-3
C2054	E-3
C2055	E-3
C2099	E-5
C2501	E-4
C2502	E-4
C2504	F-4
C2505	F-4
C2506	F-4
C2507	F-4
C2508	E-4
C2509	F-4
C2510	E-4
C2511	E-4
C2512	F-4
C2513	E-5
C2515	F-4
C2518	E-4
C2519	F-4
C2551	E-3
C2552	F-4
C2561	E-3
C2562	E-3
C2571	E-5
C3001	C-5
C3003	C-5
C3004	D-5
C3005	D-5
C3006	D-5
C3007	D-5
C3008	D-5
C3009	D-5
C3010	D-5
C3011	D-5
C3012	D-5
C3013	D-5
C3015	D-4
C3016	D-4
C3017	D-4
C3018	D-3
C3019	D-4
C3020	D-4
C3021	C-4
C3023	D-4
C3024	D-4
C3026	D-4
C3027	D-4
C3028	D-4
C3029	D-4
C3030	D-4
C3033	D-4
C3034	C-4
C3036	C-4
C3037	C-4
C3038	C-4
C3039	C-4
C3040	C-4
C3041	C-4
C3042	C-4
C3043	C-4
C3044	C-4
C3045	C-4
C3046	C-4
C3047	B-4
C3048	C-4
C3049	C-4
C3050	C-4
C3051	C-2
C3052	C-2
C3053	C-2
C3056	D-5
C3080	D-4
C3501	B-3
C3502	B-3
C3503	B-3
C3504	C-3
C3505	C-3
C3506	C-3
C3507	C-2
C3508	C-2
C3509	C-3
C3510	C-3
C3511	C-3
C3512	C-3
C3513	C-3
C3514	B-3
C3515	C-3
C3516	B-3
C3517	B-3
C3518	B-3
C3901	B-7
C3902	C-6
C3903	B-8
C3904	B-7
C3905	B-8
C3906	B-8
C3907	D-7
C3908	C-8
C3909	C-8
C3910	C-8
C3911	C-8
C3912	C-7
C3913	C-7
C3914	C-7
C3915	C-7
C3916	C-7
C3917	C-7
C3918	C-7
C3919	C-7
C3920	D-7
C3921	D-7
C3922	D-7
C3923	D-7
C3924	C-7
C3925	C-7
C3926	C-7
C3927	C-6
C3928	C-7
C3929	C-7
C3930	C-7
C3931	C-7
C3932	C-7
C3933	C-7
C3934	C-7
C3935	C-7
C3936	C-6
C3937	C-7
C3938	C-6
C3939	C-7
C3940	D-7
C3941	C-6
C3945	C-7
C3946	E-7
C3947	E-5
C3948	E-7
C4001	C-5
C4002	D-5
C4003	D-5
C4004	D-5
C4005	C-5
C4007	C-5
C4008	C-5
C4009	C-5
C4010	C-5
C4011	C-5
C4012	C-5
C4014	C-5
C4015	C-5
C4016	C-5
C4017	C-5
C4018	C-5
C4020	A-2
C4021	A-2
C4022	B-1
C4023	A-2
C4024	A-2
C4501	B-5
C4502	B-5
C4503	B-5
C4504	B-5
C4505	C-5
C4508	B-4
C4509	B-4
C4510	B-4
C4511	B-4
C4512	C-5
C4513	C-5
C4515	B-4
C4516	B-4
C4518	B-4
C4519	B-4
C4520	B-4
C4521	B-4
C4522	B-4
C4523	B-4
C4524	B-4
C4526	B-4
C4529	A-4
C4530	A-4
C4531	A-4
C4533	B-5
C4534	B-5
C4544	B-2
C4545	B-2
C4546	C-2
C4547	C-2
C4549	A-4
C5001	C-5
C5002	C-5
C5003	C-5
C5004	C-5
C5005	C-4
C5006	C-4
C5007	C-4
C6001	D-2
C6002	D-2
C6003	D-2
C6004	D-2
C6005	F-3
C6006	D-3
C6007	C-2
C6008	D-3
C6009	D-3
C6010	D-2
C6011	D-3
C6012	E-3
C6013	D-3
C6015	D-3
C6016	D-3
C6017	D-3
C6018	D-3
C6019	E-1
C6027	E-1
C6028	E-1
C6029	E-1
C6030	E-1
C6031	E-1
C6032	E-1
C6101	D-2
C6103	E-2
C6111	F-3
C6112	D-3
C6113	D-3
C6201	E-2
C6302	F-3
C6303	F-3
C6308	E-4
C7401	B-7
C7402	B-8
C7403	B-8
C7404	B-7
C7405	B-7
C7406	B-7
C7407	B-7
C7412	B-6
C7413	B-6
C7414	C-6
C7415	B-6
C7417	B-6
C7418	B-6
C7422	C-6
C7424	A-7
C7425	B-7
C7426	B-7
C7427	A-7
C7428	A-7
C7430	B-7
C7431	B-6
C7432	A-7
C7433	A-7
C7434	A-7
C7435	A-7
C7437	A-7
C7438	B-7
C7439	B-7
C7442	A-6
C7443	A-6
C7445	A-7
C7446	A-6
C7448	A-7
C7449	A-4
C7450	A-5
C7452	B-7
C7454	A-7
C7455	A-8
C7456	A-8
C7457	A-7
C7465	B-6
C7466	A-6
C7476	A-7
C7477	A-7
C7701	E-1
C7752	F-1
C7901	D-1
C7902	C-1
C7903	D-1
C7904	D-1
C7905	D-1
C7906	C-1
C7907	D-1
C7908	D-1
C7909	D-1
C7910	D-1
C23001	F-6
C23002	F-6
C23005	E-6
C23006	E-6
C23007	E-6
C23008	E-7
C23009	E-5
C23010	C-5
C23011	E-7
C23013	E-7
C23014	C-5
C23015	C-5
C23016	D-5
C23017	E-7
C23018	E-6
C23022	F-7
C23023	F-7
C23024	F-7
C23025	F-7
C23026	E-7
C23027	E-7
C23028	E-7
C23029	E-7
C23030	E-7
C23031	E-7
C23034	E-5
C23035	E-6
C23036	F-6
C23043	E-7
C23044	F-7
C23056	E-7
C23057	E-6
C23061	E-6
C23062	F-6
C23063	F-6
C23901	D-8
C23902	D-8
C23903	D-7
C23904	D-7
C23905	D-7
C23917	E-7
C24039	E-7
C24040	D-8
C24903	F-7
C24904	E-8
C24906	F-8
C37501	F-2
C37502	F-2

Resistor	
R1501	E-3
R1502	E-3
R1503	D-3
R1511	B-2
R1512	D-2
R1513	D-2
R2001	E-3
R2002	E-3
R2099	D-5
R2501	F-4
R2502	F-4
R2503	F-4
R2514	E-4
R2515	E-4
R2516	F-4
R2520	E-4
R2521	E-4
R2551	E-3
R2552	F-4
R2561	E-3
R2562	E-4
R2563	E-3
R2564	E-5
R2565	E-4
R3001	C-5
R3002	D-5
R3003	D-5
R3004	E-7
R3005	D-5
R3006	D-2
R3007	D-4
R3008	D-4
R3009	C-4
R3010	C-4
R3011	E-7
R3013	C-4
R3014	C-4
R3015	C-4
R3016	C-4
R3017	C-4
R3020	C-4
R3021	C-4
R3022	D-4
R3024	D-5
R3025	D-4
R3501	C-3
R3502	C-3
R3503	B-3
R3504	C-3
R3505	B-3
R3506	B-3
R3507	C-3
R3508	C-3
R3509	C-3
R3510	C-3
R3511	C-3
R3512	C-3
R3513	C-3
R3514	B-3
R3515	B-3
R3516	B-3
R3901	B-7
R3902	B-8
R3903	D-7
R3904	D-7
R3905	D-7
R3906	C-6
R3907	B-6
R3908	B-7
R3909	B-7
R3910	C-7
R3911	C-7
R3912	C-8
R3913	C-8
R3914	C-8
R3915	C-8
R3916	D-8
R3917	C-8
R3918	C-8
R3919	C-8
R3920	B-7
R3921	C-7
R3922	D-6
R3923	C-7
R3924	C-7
R3925	C-7
R3926	C-7
R3927	D-7
R3928	D-7
R3929	C-7
R3930	C-7
R3931	C-7
R3932	C-7
R3933	C-7
R3934	D-7
R3935	D-7
R3936	D-7
R3937	D-7
R3938	D-7
R3939	D-7
R3940	D-7
R3941	C-6
R3942	C-6
R3943	C-7
R3944	C-7
R3945	C-7
R3946	C-7
R3947	E-6
R3948	D-8
R3950	E-6
R3951	D-6
R3953	E-7
R3962	E-6
R3967	E-7
R3969	E-7
R4001	C-5
R4002	C-5
R4003	C-5
R4004	C-5
R4006	C-5
R4007	C-5
R4008	C-5
R4009	C-5
R4011	C-5
R4012	C-5
R4013	C-5
R4014	B-2
R4015	B-1
R4016	B-2
R4017	B-2
R4018	C-5
R4019	C-5
R4501	B-5
R4502	B-5
R4503	B-5
R4504	B-5
R4505	B-5
R4506	B-5
R4507	B-5
R4508	B-5
R4509	B-5
R4510	B-5
R4511	B-5
R4512	C-5
R4513	B-5
R4514	B-5
R4515	C-5
R4516	B-5
R4517	B-5
R4518	B-5
R4519	A-4
R4520	B-4
R4521	B-4
R4522	B-4
R4523	B-4
R4524	B-4
R4525	B-4
R4526	B-4
R4527	B-4
R4528	A-4
R4530	B-5
R4531	A-4
R4532	B-4
R4554	B-5
R4555	B-1
R4556	B-1
R4557	B-5
R4558	B-5
R4559	B-5
R4560	B-5
R6001	D-3
R6002	D-2
R6003	D-2
R6004	E-3
R6005	E-1
R6006	F-3
R6007	E-3
R6008	E-2
R6009	E-3
R6010	E-3
R6011	E-3
R6012	D-3
R6013	D-3
R6014	E-3
R6015	E-1
R6016	D-3
R6017	D-3
R6018	D-3
R6019	D-3
R6020	D-3
R6021	D-3
R6022	D-3
R6023	D-3
R6024	E-3
R6025	D-3
R6026	D-3
R6027	D-3
R6028	D-3
R6029	D-3
R6030	E-3
R6031	D-3
R6032	E-2
R6034	E-1
R6035	D-3
R6036	D-3
R6051	E-1
R6052	E-1
R6053	E-1
R6054	E-1
R6055	E-1
R6056	E-1
R6057	E-1
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R6107	D-3
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R6109	E-3
R6201	D-2
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R6403	F-2
R6404	F-2
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R7402	B-6
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R23002	E-6
R23003	F-6
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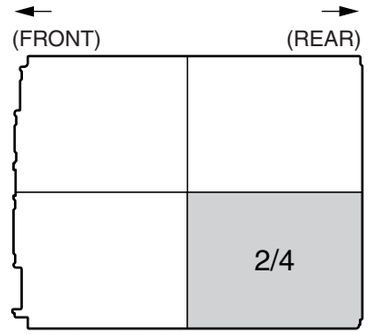
Transformer	
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T7901	D-1


E75VEG
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IC1512
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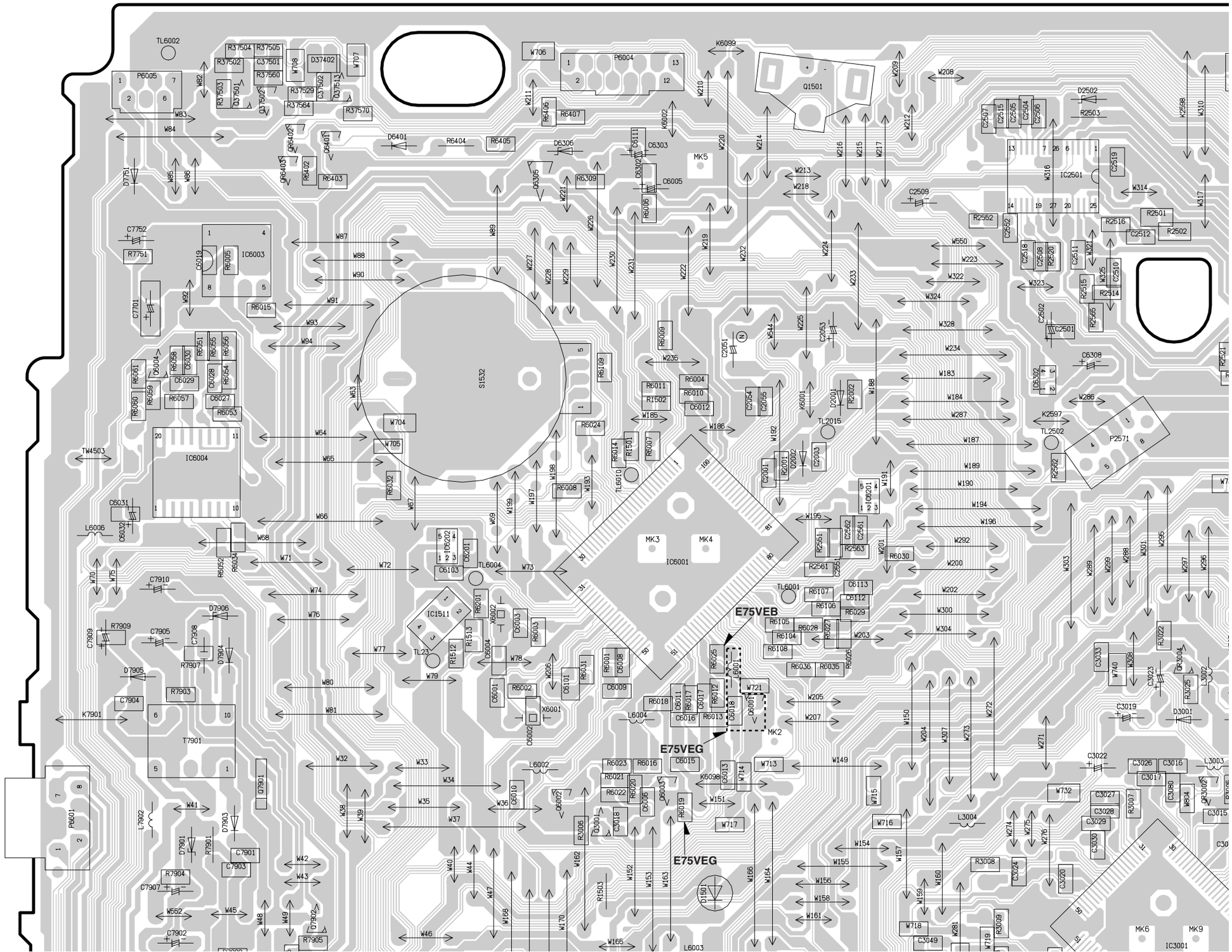
Location Map

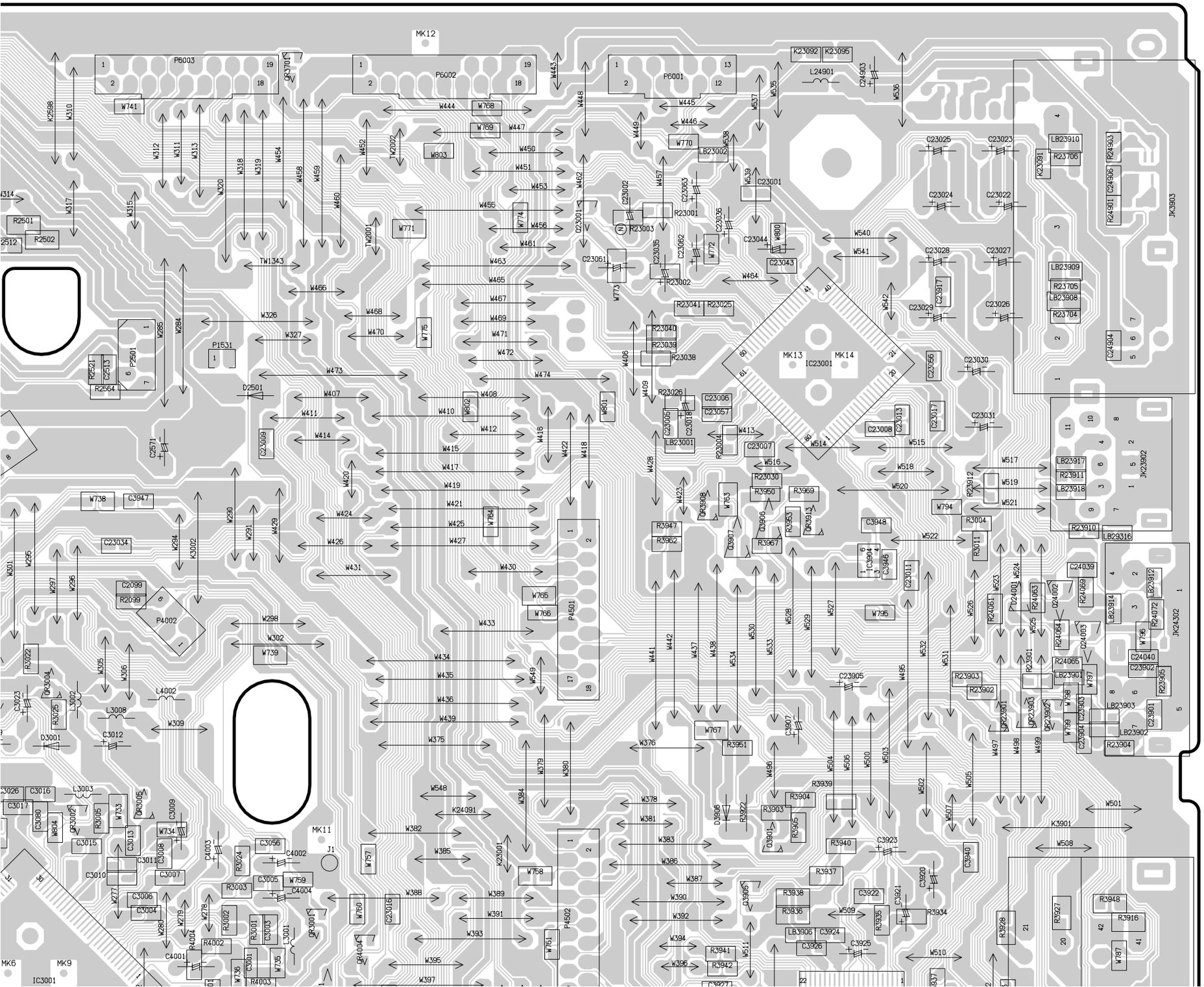


DMR-E75VEB/EG
Main P.C.B.
(VEP06F79B: E75VEB)
(VEP06F79A: E75VEG)
(2/4 Section)

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Main P.C.B.


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Ref No.	IC1511					IC1512														
MODE	1	2	3	4		1	2	3	4											
REC	1.2	2.4	4.4	0		0	1.2	4.9	0											
PLAY	1.2	2.4	4.4	0		0	1.2	4.9	0											
STOP	1.2	2.4	0.1	0		0	1.2	0.1	0											

Ref No.	IC2501																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
REC	11.8	0.1	-0.1	0.1	0	0	16.3	0	2.7	1.6	1.6	0.6	1.4	2.4	2.5	2.5	2.5	1.3	5.0	3.5
PLAY	11.8	0.1	-0.1	0.1	0	0	16.3	0	2.7	1.6	1.6	0.6	1.4	2.4	2.5	2.5	2.5	1.3	5.0	3.5
STOP	12.0	0	-0.1	0	0	0	16.2	0	0	1.0	3.8	0	0	4.7	2.5	2.5	2.5	2.4	5.0	0.8

Ref No.	IC2501																			
MODE	21	22	23	24	25	26	27													
REC	11.8	3.5	3.5	0	3.5	0	0													
PLAY	11.8	3.5	3.5	0	3.5	0	0													
STOP	12.0	0.8	0.8	0	0.8	0	0													

Ref No.	IC3001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
REC	0	0	0.1	5.1	2.0	2.6	2.8	1.9	1.9	1.9	2.6	0	0	2.8	2.7	0	2.7	2.0	2.7	0
PLAY	0	0	0.1	5.1	2.0	2.6	2.8	1.9	1.9	1.9	2.6	0	0	2.8	2.7	0	2.7	2.0	2.7	0
STOP	0	0	0.1	5.1	2.1	2.6	2.8	1.9	1.9	1.9	2.6	1.5	0	2.8	2.7	0	2.7	2.0	2.7	0

Ref No.	IC3001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
REC	2.7	5.0	2.3	0	0	3.0	0	0	2.2	2.8	0.4	2.3	2.1	1.8	3.0	2.3	3.0	2.2	1.5	2.1
PLAY	2.7	5.0	2.3	0	0	3.0	0	0	2.2	2.8	0.4	2.3	2.1	1.8	3.0	2.3	3.0	2.2	1.5	2.1
STOP	2.7	5.0	2.3	0.1	0	3.0	0	0	2.2	2.8	0.4	2.2	2.1	1.8	3.0	2.3	3.0	2.2	0	0

Ref No.	IC3001																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
REC	2.5	2.0	2.1	0	3.0	3.0	5.0	5.0	3.1	5.0	1.9	5.0	2.6	0	0	0	2.2	2.2	5.0	5.0
PLAY	2.5	2.0	2.1	0	3.0	3.0	5.0	5.0	3.1	5.0	1.9	5.0	2.6	0	0	0	2.2	2.2	5.0	5.0
STOP	2.5	2.0	2.1	0	3.0	3.0	5.0	5.0	0	5.0	1.9	**5.0**	2.6	0	1.9	0	2.2	2.2	5.0	5.0

Ref No.	IC3001																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
REC	4.1	2.3	2.2	2.5	2.2	2.5	0	1.2	1.9	2.7	0.1	5.0	2.2	2.1	2.8	2.2	2.8	0	0	2.3
PLAY	4.1	2.3	2.2	2.5	2.2	2.5	0	1.2	1.9	2.7	0.1	5.0	2.2	2.1	2.8	2.2	2.8	0	0	2.3
STOP	4.1	2.3	2.2	2.4	2.2	2.4	0	1.2	1.9	2.7	0.1	5.0	2.2	2.1	2.8	2.2	2.8	0	0	2.3

Ref No.	IC3001																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
REC	0	0	3.3	5.0	2.3	2.3	2.3	0	2.3	2.3	2.3	5.1	0.5	2.5	2.5	2.4	0	2.3	0	2.6
PLAY	0	0	3.3	5.0	2.3	2.3	2.3	0	2.3	2.3	2.3	2.2	0.5	2.5	2.5	2.4	0	2.3	0	2.6
STOP	0	0	3.3	5.0	2.3	2.3	2.3	0	2.3	2.3	2.3	5.1	0.5	2.5	2.5	2.4	0	2.3	0	2.6

Ref No.	IC3002									IC3501										
MODE	1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8			
REC	5.1	0	0	3.2	4.7	0	0	5.7		2.8	5.0	2.8	4.7	2.8	5.0	2.0	0			
PLAY	5.1	0	0	3.2	4.7	0	0	5.7		2.8	5.0	2.8	4.7	2.8	5.0	2.0	0			
STOP	5.1	0	0	3.2	4.7	0	0	5.7		2.8	5.0	2.8	4.7	2.8	5.0	2.0	0			

Ref No.	IC3502																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
REC	0	0	5.0	3.5	3.2	5.0	2.6	2.2	2.2	2.2	0	3.7	3.7	2.2						
PLAY	0	0	5.0	3.5	3.2	5.0	2.6	2.2	2.2	2.2	0	3.7	3.7	2.2						
STOP	0	0	5.0	3.5	3.2	5.0	2.7	2.2	2.2	2.2	0	3.7	3.7	2.2						

Ref No.	IC3901						IC3902														
MODE	1	2	3	4	5		1	2	3	4	5	6	7	8							
REC	12.6	4.0	12.0	0	0		5.0	0	0	3.1	5.4	0	0	5.6							
PLAY	12.6	4.0	12.0	0	0		5.0	0	0	3.1	5.4	0	0	5.6							
STOP	12.6	4.0	12.0	0	0		5.0	0	0	3.1	5.4	0	0	5.6							
Ref No.	IC3903																				
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
REC	5.6	5.6	0	0	1.1	0	2.0	0	0	5.6	5.6	5.0	1.7	12.0	5.6	5.6	0	2.1	3.6	0	
PLAY	5.6	5.6	0	0	1.1	0	2.0	0	0	5.6	5.6	5.0	1.7	12.0	5.6	5.6	0	2.1	3.6	0	
STOP	5.6	5.6	0	0	1.1	0	2.1	0	0	5.6	5.6	5.0	1.7	12.0	5.6	5.6	0	2.1	3.6	0	
Ref No.	IC3903																				
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
REC	4.2	4.5	1.7	5.0	1.7	1.7	0	1.7	5.0	5.0	5.0	0	5.6	5.6	0	5.6	5.6	0	5.0	5.0	
PLAY	4.2	4.5	1.7	5.0	1.7	1.7	0	1.7	5.0	5.0	5.0	0	5.6	5.6	0	5.6	5.6	0	5.0	5.0	
STOP	4.2	4.6	1.7	5.0	1.8	1.8	0	1.7	5.0	5.0	5.0	0	5.6	5.6	0	5.6	5.6	0	0	5.0	
Ref No.	IC3903																				
MODE	41	42	43	44																	
REC	0	5.0	5.0	0																	
PLAY	0	5.0	5.0	0																	
STOP	0	5.0	5.0	0																	
Ref No.	IC3904																				
MODE	1	2	3	4	5	6															
REC	4.7	2.3	5.0	2.2	0	2.0															
PLAY	4.7	2.3	5.0	2.2	0	2.0															
STOP	4.7	2.3	5.0	2.2	0	2.0															
Ref No.	IC4501																				
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
REC	2.3	0	2.3	0	0	2.5	2.0	0	0	0	0	2.0	0	0	0	2.5	0.6	2.5	2.5	2.1	
PLAY	2.3	0	2.3	0	0	2.5	2.0	0	0	0	0	2.0	0	0	0	2.5	0.6	2.5	2.5	2.1	
STOP	2.3	0	2.3	0	0	2.5	2.0	0	0	0	0	2.0	0	0	0	2.5	0.6	2.5	2.5	2.1	
Ref No.	IC4501																				
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
REC	2.1	2.1	0	2.1	5.1	2.1	0	4.3	1.8	1.8	0	2.5	2.5	0.8	2.5	0	1.7	0	0	5.1	
PLAY	2.1	2.1	0	2.1	5.1	2.1	0	4.3	1.8	1.8	0	2.5	2.5	0.8	2.5	0	1.7	0	0	5.1	
STOP	2.1	2.1	0	2.1	5.0	2.1	0	4.3	1.8	1.8	0	2.5	2.5	0.8	2.5	0	0	0	0	5.0	
Ref No.	IC4501																				
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	
REC	0	0	2.1	0	0	4.8	2.5	2.5	0.2	0.6	6.0	6.1	6.0	0	0	0	6.1	12.2	6.2	0	
PLAY	0	0	2.1	0	0	4.8	2.5	2.5	0.2	0.6	6.0	6.1	6.0	0	0	0	6.1	12.2	6.2	0	
STOP	0	0	2.1	3.2	1.6	4.8	0	2.5	0.2	0.6	6.0	6.1	6.0	0	0	0	6.0	12.2	6.2	0	
Ref No.	IC4501																				
MODE	61	62	63	64																	
REC	2.5	2.4	0	0																	
PLAY	2.5	2.4	0	0																	
STOP	2.5	2.4	0	0																	
Ref No.	IC6001																				
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
REC	4.7	4.1	0	0	5.0	5.0	4.9	4.9	3.3	5.0	4.7	2.0	0	5.0	3.7	0	0	2.4	0	4.7	
PLAY	4.7	4.1	0	0	5.0	5.0	4.9	4.9	3.3	5.0	4.7	2.0	0	5.0	3.7	0	0	2.4	0	4.7	
STOP	4.7	4.1	0	0	5.0	5.0	0	4.9	3.3	5.0	0	0	0	5.0	3.7	0	0	0	0	0	
Ref No.	IC6001																				
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
REC	5.0	0	4.3	0	0	4.7	0	0	0	0	4.7	4.7	4.7	4.8	-	-	4.8	-	-	0	
PLAY	5.0	0	4.3	0	0	4.7	0	0	0	0	4.7	4.7	4.7	4.8	-	-	4.8	-	-	0	
STOP	5.0	0	4.3	0	0	0	0	0	0	0	4.7	0	0	0	-	-	4.8	-	-	0	
Ref No.	IC6001																				
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	
REC	0	0	4.7	4.7	4.7	0	1.7	2.1	0	1.6	2.5	1.6	5.0	2.8	0	1.7	0	0	0.5	0	
PLAY	0	0	4.7	4.7	4.7	0	1.7	2.1	0	1.6	2.5	1.6	5.0	2.8	0	1.7	0	0	0.5	0	
STOP	0	0	4.7	4.8	4.7	0	1.3	2.1	0	1.6	2.5	1.6	5.0	2.0	0	1.7	0	0	0	0	
Ref No.	IC6001																				
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	
REC	0	0	4.7	0.8	3.8	3.8	4.0	3.8	2.4	4.2	2.6	2.5	0	0	4.7	2.4	2.4	5.0	4.8	4.6	
PLAY	0	0	4.7	0.8	3.8	3.8	4.0	3.8	2.4	4.2	2.6	2.5	0	0	4.7	2.4	2.4	5.0	4.8	4.6	
STOP	0	0	4.7	0.8	3.8	3.8	4.0	3.8	2.1	4.2	2.1	2.0	0	0	4.7	0	4.7	5.0	0.1	0.1	
Ref No.	IC6001																				
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	
REC	4.7	0	0	0	5.0	2.5	2.5	0	0	1.3	2.5	2.5	0	2.3	2.8	2.5	2.5	5.1	5.0	4.7	
PLAY	4.7	0	0	0	5.0	2.5	2.5	0	0	1.3	2.5	2.5	0	2.3	2.8	2.5	2.5	5.1	5.0	4.7	
STOP	4.7	0	0	0	5.0	2.5	2.5	0	0	2.4	2.5	2.5	0	2.5	2.5	2.5	2.5	5.1	5.0	4.7	
Ref No.	IC6003																				
MODE	1	2	3	4	5	6	7	8													
REC	0	0	0	0	2.1	2.2	4.8	5.0													
PLAY	0	0	0	0	2.1	2.2	4.8	5.0													
STOP	0	0	0	0	2.1	2.2	4.8	5.0													
Ref No.	IC6004																				
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
REC	0	0	0	2.2	2.1	0	0.4	0	5.0	0	0	2.5	0	2.5	2.5	1.5	1.2	0	5.0	5.0	
PLAY	0	0	0	2.2	2.1	0	0.4	0	5.0	0	0	2.5	0	2.5	2.5	1.5	1.2	0	5.0	5.0	
STOP	0	0	0	2.2	2.1	0	0	0	5.0	0	0	2.5	0	2.5	2.5	1.5	1.2	0	5.0	5.0	

Ref No.	IC6201						IC6202						IC6302							
MODE	1	2	3	4	5		1	2	3	4	5		1	2	3	4				
REC	5.0	5.0	0	0	0		4.8	4.8	0	0	2.1		5.0	0	4.7	5.7				
PLAY	5.0	5.0	0	0	0		4.8	4.8	0	0	2.1		5.0	0	4.7	5.7				
STOP	5.0	5.0	0	0	0		4.8	4.8	0	0	2.1		5.0	0	4.7	5.7				
Ref No.	IC7401									IC7402										
MODE	1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8			
REC	5.0	0	0	3.2	5.6	0	0	5.6		5.0	0	0	3.1	4.7	0	0	5.6			
PLAY	5.0	0	0	3.2	5.6	0	0	5.6		5.0	0	0	3.1	4.7	0	0	5.6			
STOP	5.0	0	0	3.2	5.6	0	0	5.6		5.0	0	0	3.1	4.7	0	0	5.6			
Ref No.	IC7405																			
MODE	1	2	3	4	5	6	7	8												
REC	5.0	0	0	3.1	4.8	0	0	5.5												
PLAY	5.0	0	0	3.1	4.8	0	0	5.5												
STOP	5.0	0	0	3.1	4.8	0	0	5.6												
Ref No.	IC23001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
REC	1.7	0	1.7	5.0	1.3	4.8	1.3	4.7	0	2.6	0	1.7	4.8	1.3	0	0	2.6	0	1.3	4.8
PLAY	1.7	0	1.7	5.0	1.3	4.8	1.3	4.7	0	2.6	0	1.7	4.8	1.3	0	0	2.6	0	1.3	4.8
STOP	1.7	0	1.7	5.0	1.3	4.8	1.3	4.7	0	2.6	0	1.7	4.8	1.3	0	0	2.6	0	1.3	4.8
Ref No.	IC23001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
REC	1.3	0	0	2.6	5.0	1.6	1.6	1.8	1.8	2.2	0	2.2	2.2	2.2	2.2	2.2	2.2	0	1.8	5.0
PLAY	1.3	0	0	2.6	5.0	1.6	1.6	1.8	1.8	2.2	0	2.2	2.2	2.2	2.2	2.2	2.2	0	1.8	5.0
STOP	1.3	0	0	2.6	5.0	1.6	1.7	1.8	1.8	2.2	0	2.2	2.2	2.2	2.2	2.2	2.2	0	1.8	5.0
Ref No.	IC23001																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
REC	2.8	0	2.8	5.0	2.8	2.7	2.8	4.7	2.8	0	2.8	5.0	2.8	2.9	1.0	0	4.2	4.5	5.0	0.3
PLAY	2.8	0	2.8	5.0	2.8	2.7	2.8	4.7	2.8	0	2.8	5.0	2.8	2.9	1.0	0	4.2	4.5	5.0	0.3
STOP	2.8	0	2.8	5.0	2.8	2.7	0	0	0	0	2.8	5.0	0	2.9	1.0	0	4.2	4.6	5.0	0.3
Ref No.	IC23001																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
REC	0	0.8	0.8	5.0	1.2	0	1.7	0	0	0	1.2	5.0	1.2	0	2.0	0	0	0	0	0
PLAY	0	0.8	0.8	5.0	1.2	0	1.7	0	0	0	1.2	5.0	1.2	0	2.0	0	0	0	0	0
STOP	0	0.8	0.8	5.0	1.2	0	1.6	0	2.0	0	1.2	5.0	1.2	0	2.0	0	0	5.0	0	0
Ref No.	Q1501				Q1502				Q3001				Q3002				Q3501			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
REC	0	4.9	-		0	4.9	-		1.6	5.0	2.2		1.6	5.1	2.2		2.7	0	2.0	
PLAY	0	4.9	-		0	4.9	-		1.6	5.0	2.2		1.6	5.1	2.2		2.7	0	2.0	
STOP	0	4.9	-		0	4.9	-		1.4	5.0	2.2		1.6	5.1	2.2		2.7	0	2.1	
Ref No.	Q3502				Q3901				Q3902				Q3903				Q3904			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
REC	2.0	5.0	2.6		2.0	5.0	2.6		5.0	-0.1	5.0		0	0	-0.1		0	0	0	
PLAY	2.0	5.0	2.6		2.0	5.0	2.6		5.0	-0.1	5.0		0	0	-0.1		0	0	0	
STOP	2.0	5.0	2.6		2.0	5.0	2.6		5.0	-1.4	5.0		0	0	-0.1		0	0	0	
Ref No.	Q3905				Q3906				Q3907				Q4001				Q4002			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
REC	2.9	0	2.3		5.0	0	5.0		0	0	0		0	0	0.7		0	0	0.7	
PLAY	2.9	0	2.3		5.0	0	5.0		0	0	0		0	0	0.7		0	0	0.7	
STOP	3.0	0	2.3		5.0	0	5.0		0	0	0		0	0	0.7		0	0	0.7	
Ref No.	Q4003				Q4004				Q4501				Q4502				Q6001			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
REC	0	4.5	-0.7		5.6	5.5	4.9		5.1	5.6	5.8		12.3	12.6	13.0		2.2	0	1.6	
PLAY	0	4.5	-0.7		5.6	5.5	4.9		5.1	5.6	5.8		12.3	12.6	13.0		2.2	0	1.6	
STOP	0	0.2	0.2		5.7	0.2	5.7		5.1	5.7	5.8		12.2	12.6	12.9		2.2	0	1.6	
Ref No.	Q6002				Q6003				Q6004				Q6305				Q6401			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
REC	2.2	0	1.6		2.9	5.0	3.6		1.4	0	0.8		5.1	5.7	5.9		0	12.0	0	
PLAY	2.2	0	1.6		2.9	5.0	3.6		1.4	0	0.8		5.1	5.7	5.9		0	12.0	0	
STOP	2.2	0	1.6		2.9	5.0	3.6		1.4	0	0.8		5.1	5.7	5.9		0	12.0	0	
Ref No.	Q7401				Q7402				Q7403				Q7901				Q7902			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
REC	0	0.1	0.6		0	0.1	0.6		4.0	0	3.4		0	11.3	-0.4		0	-0.4	-0.5	
PLAY	0	0.1	0.6		0	0.1	0.6		4.0	0	3.4		0	11.3	-0.4		0	-0.4	-0.5	
STOP	0	0.1	0.6		0	0.1	0.6		4.0	0	3.4		0	11.1	-0.4		0	-0.4	-0.5	
Ref No.	Q23001				Q24002				Q24003				Q37501				Q37502			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
REC	1.7	0	1.0		0	0	0		0	0	-0.1		0	5.0	0		0	0	0.5	
PLAY	1.7	0	1.0		0	0	0		0	0	-0.1		0	5.0	0		0	0	0.5	
STOP	1.7	0	1.0		0	0	0		0	0	-0.1		0	5.0	0		0	0	0.6	
Ref No.	Q37513																			
MODE	E	C	B																	
REC	0	4.3	-0.1																	
PLAY	0	4.3	-0.1																	
STOP	0	4.3	0																	

Ref No.	QR3001			QR3002			QR3003			QR3004			QR3005		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
REC	0	0	4.2	0	0	4.7	0	2.2	0	0	4.2	0	0	0.1	0
PLAY	0	0	4.2	0	0	4.7	0	2.2	0	0	4.2	0	0	0.1	0
STOP	0	0	4.2	0	0	4.7	0	2.2	0	0	4.2	0	0	0.1	0
Ref No.	QR3501			QR3701			QR3901			QR3902			QR3903		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
REC	0	4.7	0	5.8	-0.5	5.8	0	4.0	0	0	5.4	0	0	5.0	0
PLAY	0	4.7	0	5.8	-0.5	5.8	0	4.0	0	0	5.4	0	0	5.0	0
STOP	0	4.7	0	5.8	-0.1	5.8	0	4.0	0	0	5.4	0	0	5.0	0
Ref No.	QR3908			QR3913			QR4003			QR4004			QR4005		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
REC	0	0	3.6	0	5.0	0	0	0	0	5.1	5.0	0	0	0.1	4.7
PLAY	0	0	3.6	0	5.0	0	0	0	0	5.1	5.0	0	0	0.1	4.7
STOP	0	0	3.6	0	5.0	0	0	0	0	5.1	5.0	0	0	5.7	0
Ref No.	QR4501			QR4502			QR4503					QR4504			
MODE	E	C	B	E	C	B	1	2	3	4	5		E	C	B
REC	0	-0.2	0				0	0	-0.2	0	-0.2				
PLAY	0	-0.2	0				0	0	-0.2	0	-0.2				
STOP	0	-0.2	0				0	0	-0.2	0	-0.2				
Ref No.	QR6402			QR6403			QR7401			QR7402			QR23901		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
REC	0	0	-0.1	0	0	4.8	37.0	36.9	0.1	37.0	36.9	0.1	0	-0.2	0
PLAY	0	0	-0.1	0	0	4.8	37.0	36.9	0.1	37.0	36.9	0.1	0	-0.2	0
STOP	0	0	0	0	0	4.8	36.9	36.8	0.1	36.9	36.8	0.1	0	-0.2	0
Ref No.	QR23902			QR23903											
MODE	E	C	B	E	C	B									
REC	0	0	-0.2	0	0	-0.2									
PLAY	0	0	-0.2	0	0	-0.2									
STOP	0	0	-0.2	0	0	-0.2									

GN:Glue Net Section(Page: F)
EN:AV Encoder/RTSC Section(Page: G)
MC:AV Decoder/Main CPU Section(Page: H)
AI:Audio I/O Section(Page: I)

IC50001
C3ABPG000067
(16bit/64M SDRAM)

IC50002
C3ABPG000067
(16bit/64M SDRAM)

IC6001
MN2DS0010-H
(AVDEC/MAIN CPU)

IC6003
C3CBLD000088
(8Mbit LOADER)

IC6004
C0JBAZ001466
(8bit BUFFER/ DRIVER)

IC6005
C3ABQG000068
(16bit/128M SDRAM)

IC6002
C0EBE0000130
(RESET)

Q6001
B1ABCF000114
(BUFFER)

Q6002
B1ABCF000114
(BUFFER)

TO DIGITAL JIG
P6002

XDIAG	1	
XRESET	2	
MSORX	3	
GND	4	
D3.3V	5	
MSOTX	6	

FL50001 F1H034740004
FL50002 F1H034740004
FL50003 F1H034740004
FL50004 F1H034740004
FL6001 F1H034740004
FL6002 F1H034740004
FL6003 F1H034740004
FL6004 F1H034740004
FL6005 F1H034740004
FL6006 F1H034740004
FL6008 F1H034740004
FL6009 F1H034740004
FL6010 F1H034740004
FL6012 F1H034740004
FL6022 F1H034740004
FL6023 F1H034740004

LB50002 J0JHC0000032
LB50003 J0JHC0000032
LB50004 J0JHC0000032
LB50005 J0JHC0000032
LB6001 J0JHC0000032
LB6002 J0JHC0000032

GN:Glue Net Section(Page: F)
EN:AV Encoder/RTSC Section(Page: G)
MC:AV Decoder/Main CPU Section(Page: H)
AI:Audio I/O Section(Page: I)

IC6001
MN2DS0010-H
(AVDEC/MAIN CPU)

NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

DMR-E75VEB/EG
AV Decoder/Main CPU Section
(Digital P.C.B.(3/4))
Schematic Diagram (MC)

DMR-E75VEB/EG AV Decoder/Main CPU Section (Digital P.C.B.(3/4)) Schematic Diagram (MC)

AUDIO MAIN SIGNAL PATH IN REC MODE

TO PK7403
MAIN P.C.B.
(Hi-Fi AUDIO SEC.)
PK7301

SIF	1
GND	2
TU AUDIO IN	3
	4
	5
	6
JC 5V	7

TO PK7404
MAIN P.C.B.
(Hi-Fi AUDIO SEC.)
PK7302

SCL	1
SDA	2
	3
DECODER AUDIO(R)	4
GND	5
DECODER AUDIO(L)	6

C7335 0.1
C7305 6V100
IC7302
C0EAH0000051
(RESET)
IN G OUT
L7303 G0C1R0JA0019
LB7303 J0JCC0000080
C7303 6V100
C7306 0.01
C7334 50V2.2
C7311 100P
R7304 100
C7301 0.1
R7301 0
C7302 0
C7309 100P
C7310 100P
C7308 10P
C7307 10P
E75VEB
R7319 J0JCC0000103
R7317 J0JCC0000103
E75VEG
R7319 0
R7317 0
E75VEB

K7302 0
K7301 0
K7305 0
K7303 0
R7322 0
C7330 8200
X7301 H0D245500016
C7329 0
C7332 0.1
R7307 0
C7333 0.1

IC7301
C1AB00001404(NICAM/A2)

22	TEST1	11	TP1
21	VDDA2	10	NICAM
20	VSSA2	9	TP2
19	ADDR2	8	VDEC2
18	1 REF	7	VSSD2
17	TEST2	6	VDDD1
16	TP3	5	VSSD1
15	XTALI	4	VSSA1
14	XTALO	3	VDDA1
13	ADDR1	2	OUT R
12	PCLK	1	OUT L
23	SIF2		
24	VREF1		
25	SIF1		
26	CRESET		
27	VSSA3		
28	VDDA3		
29	SCL		
30	SDA		
31	SDO/LPF		
32	WS/AF20		
33	SCK/AF21		
34	SYS CLK/CTRIG		
35	VDDD3		
36	VSSD3		
37	P1		
38	MONO IN		
39	EXTIR		
40	EXTIL		
41	V REF2		
42	P2		
43	OUT M		
44	VSSA4		

R7324 100
R7325 100
LB7301 J0JCC0000124
C7323 1000P
C7324 0.1
R7312 220
R7313 220
R7309 10K
TL7301
TL7302
R7311 220
R7314 0
C7318 16V10
LB7302 J0JCC0000124
C7317 16V47
TL7303
C7313 16V10
C7312 16V10
R7315 0
C7314 0.1

NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM
FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

DMR-E75VEB/EG
Nicam Decoder(A)
Schematic Diagram (For DVD)

AUDIO MAIN SIGNAL PATH IN REC MODE

TO PK7401
MAIN P.C.B.
(Hi-Fi AUDIO SEC.)
PK7301

SIF	1
GND	2
TU AUDIO IN	3
	4
	5
	6
JC 5V	7

C7335 0.1
C7305 6V100
IC7302
C0EAH0000051
(RESET)
IN G OUT
1 2 3
L7303 G0C1R0JA0019
LB7303 J0JCC0000080
C7303 6V100
C7306 0.01
C7334 50V2.2
C7311 100P
R7304 100
C7301 0.1
R7301 0
C7302 0

TO PK7402
MAIN P.C.B.
(Hi-Fi AUDIO SEC.)
PK7302

SCL	1
SDA	2
	3
DECODER AUDIO(R)	4
GND	5
DECODER AUDIO(L)	6

C7309 100P
C7310 100P
C7308 10P
C7307 10P
E75VEB
R7319 J0JCC0000103
R7317 J0JCC0000103
E75VEG
R7319 0
R7317 0
E75VEB

K7302 0
K7301 0
K7305 0
K7303 0
R7322 0
C7330 8200
X7301 H0D245500016
C7329 0
C7332 0.1
R7307 0
C7333 0.1

IC7301
C1AB00001404(NICAM/A2)

TEST1	VDDA2	VSSA2	ADDR2	1 REF	TEST2	TP3	XTALI	XTALO	ADDR1	PCLK		
22	21	20	19	18	17	16	15	14	13	12		
23 SIF2											TP1	11
24 VREF1											NICAM	10
25 SIF1											TP2	9
26 CRESET											VDEC2	8
27 VSSA3											VSSD2	7
28 VDDA3											VDDD1	6
29 SCL											VSSD1	5
30 SDA											VSSA1	4
31 SDO/LPF											VDDA1	3
32 WS/AF20											OUT R	2
33 SCK/AF21											OUT L	1
SYS CLK/CTRIG	VDDD3	VSSD3	P1	MONO IN	EXTIR	EXTIL	V REF2	P2	OUT M	VSSA4		
34	35	36	37	38	39	40	41	42	43	44		

R7324 100
R7325 100
LB7301 J0JCC0000124
C7323 1000P
C7324 0.1
R7312 220
R7313 220
R7309 10K
TL7301
TL7302
LB7302 J0JCC0000124
C7317 16V47
TL7303
R7310 220
R7314 0
C7318 16V10
C7313 16V10
C7312 16V10
R7315 0
C7314 0.1

NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM
FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

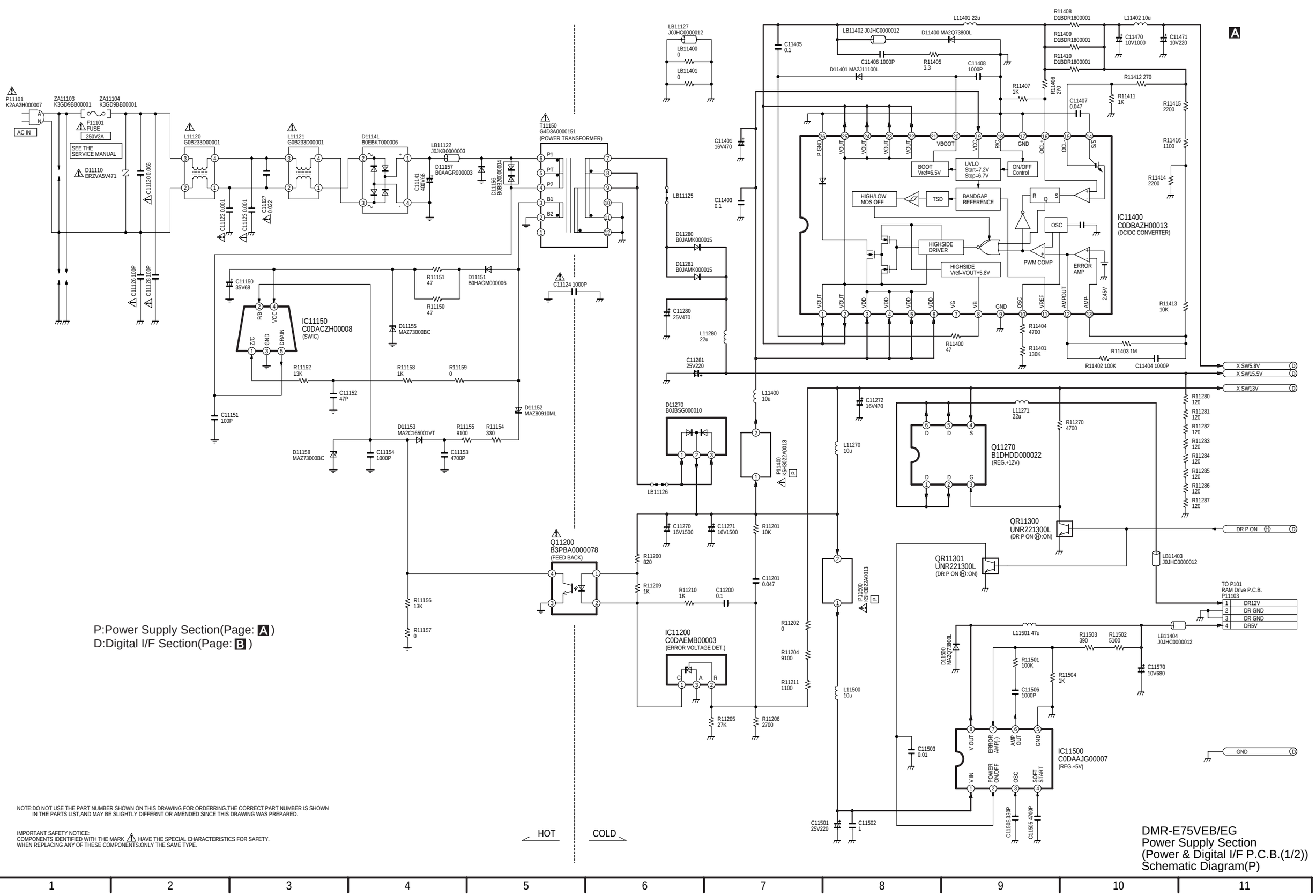
DMR-E75VEB/EG
Nicam Decoder(B)
Schematic Diagram (For VHS)

Ref No.	IC7301																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
REC	2.5	2.5	5.0	0	0	4.9	0	0	0	0.2	0	0.1	0	1.6	1.5	0	0	2.0	0	0
PLAY	2.5	2.5	5.0	0	0	4.9	0	0	0	0.3	0	0.3	0	1.6	1.5	0	0	2.0	0	0
STOP	2.5	2.5	5.0	0	0	4.9	0	0	0	0.3	0	0.2	0	1.6	1.5	0	0	2.0	0	0

Ref No.	IC7301																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
REC	3.3	0	2.0	2.0	2.0	4.9	0	5.0	4.5	4.2	0.3	0.2	0.2	0.2	5.0	0	4.9	2.5	2.5	2.5
PLAY	3.3	0	2.0	2.0	2.0	4.9	0	5.0	4.5	4.2	0.3	0	0.2	0.2	5.0	0	4.9	2.5	2.5	2.5
STOP	3.3	0	2.0	2.0	2.0	4.9	0	5.0	4.5	4.2	0.3	0.3	0.3	0.2	5.0	0	4.9	2.5	2.5	2.5

Ref No.	IC7301																			
MODE	41	42	43	44																
REC	2.5	4.9	2.5	0																
PLAY	2.5	4.9	2.5	0																
STOP	2.5	4.9	2.5	0																

Ref No.	IC7302																			
MODE	1	2	3																	
REC	5.0	0	4.9																	
PLAY	5.0	0	4.9																	
STOP	5.0	0	4.9																	

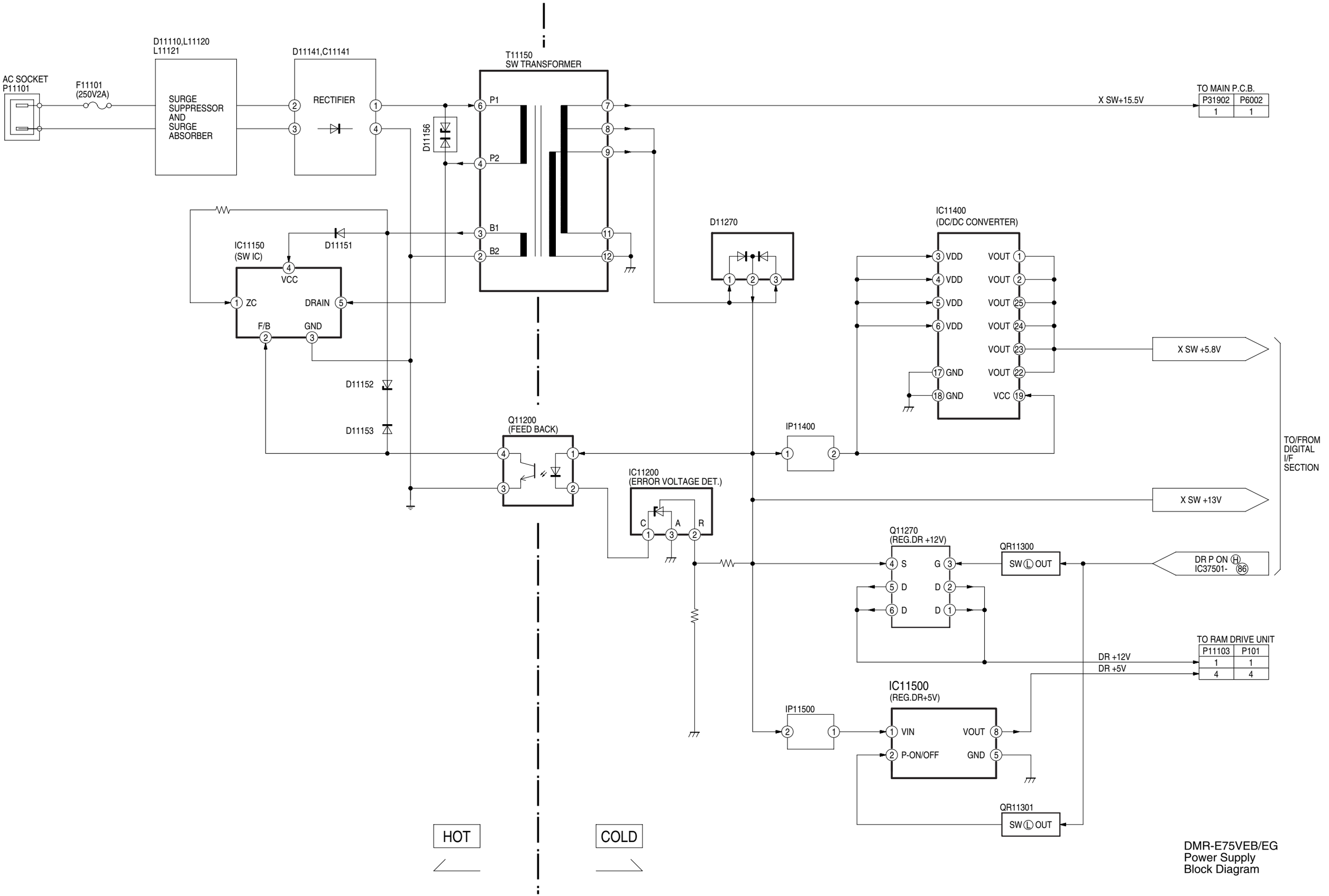


P:Power Supply Section(Page: A)
D:Digital I/F Section(Page: B)

NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERRING.THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST,AND MAY BE SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS.ONLY THE SAME TYPE.

DMR-E75VEB/EG
Power Supply Section
(Power & Digital I/F P.C.B.(1/2))
Schematic Diagram(P)

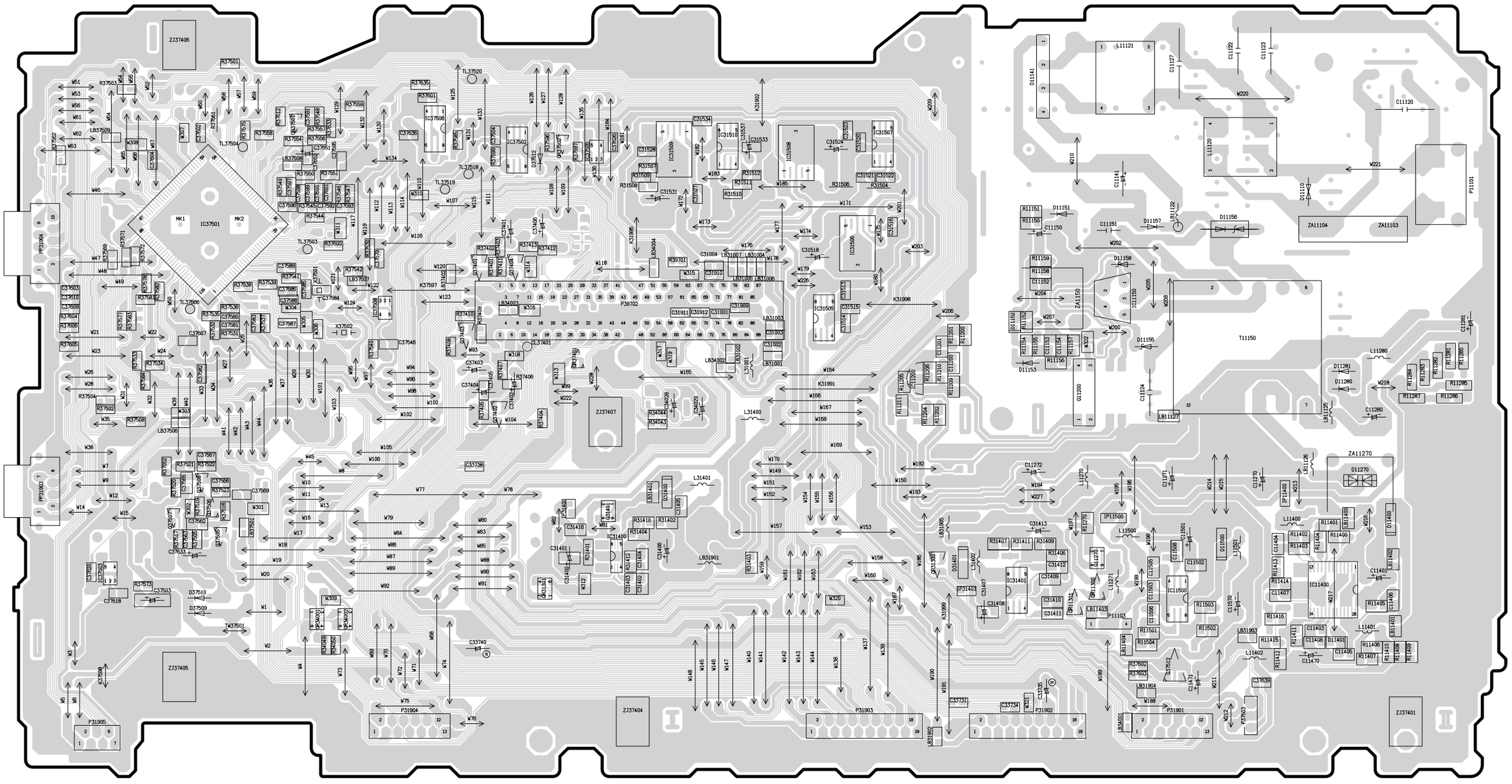


DMR-E75VEB/EG
Power Supply
Block Diagram

Power&Digital I/F P.C.B.

Integrated Circuit		D11155	C-7	LB37509	D-1	C31534	E-5	R11156	C-7	R37405	C-3	R37603	A-7		
IC11150	D-7	D11156	D-8	**Capacitor**		C31537	D-5	R11157	C-7	R37406	C-4	R37604	C-1		
IC11200	C-6	D11157	D-7	C11120	E-9	C31909	C-5	R11158	D-7	R37407	C-4	R37605	C-1		
IC11400	B-8	D11158	D-7	C11122	E-8	C31910	D-5	R11159	D-7	R37408	C-3	R37606	C-1		
IC11500	B-7	D11270	C-8	C11123	E-8	C31911	C-4	R11200	C-6	R37409	C-3	R37612	E-2		
IC31400	B-4	D11280	C-8	C11124	C-7	C31912	C-5	R11201	C-6	R37410	C-3	R37633	D-3		
IC31401	B-6	D11281	C-8	C11127	E-7	C33731	A-6	R11202	C-6	R37411	D-3	R37635	E-3		
IC31505	C-5	D11400	B-8	C11141	D-7	C33734	A-6	R11204	C-6	R37412	D-4	R39701	D-4		
IC31506	D-5	D11401	B-8	C11150	D-7	C33735	A-7	R11205	C-6	R37413	D-4	**Transformer**			
IC31507	D-6	D11500	B-8	C11151	D-7	C33738	C-3	R11206	C-6	R37501	E-2	T11150	C-8		
IC31508	D-5	D31400	B-4	C11152	D-7	C33740	B-3	R11209	C-6	R37502	C-1				
IC31509	D-4	D31401	B-6	C11153	C-7	C34028	C-4	R11210	C-6	R37503	E-1				
IC31510	D-5	D37509	B-2	C11154	C-7	C34029	C-5	R11211	C-6	R37504	C-1				
IC37501	D-2	D37510	B-2	C11200	C-6	C37401	D-4	R11270	B-7	R37505	B-2				
IC37502	D-4	D37512	D-4	C11201	C-6	C37402	C-4	R11280	C-9	R37508	C-1				
IC37503	B-1	**Crystal Osillator**		C11270	C-8	C37403	C-3	R11281	C-9	R37516	B-2				
IC37505	D-4	X37501	D-2	C11271	C-7	C37404	C-3	R11282	C-9	R37517	B-2				
IC37506	D-3	X37502	C-3	C11272	C-6	C37405	C-3	R11283	C-9	R37519	B-2				
IC37508	C-3	**IC Protector**		C11280	C-8	C37406	D-4	R11284	C-9	R37520	B-2				
Transistor		IP11400	B-8	C11281	C-9	C37503	B-2	R11285	C-9	R37521	C-2				
Q11200	C-7	IP11500	B-7	C11401	B-8	C37504	D-3	R11286	C-9	R37522	C-2				
Q11270	B-7	IP31400	B-4	C11403	B-8	C37546	C-3	R11287	C-9	R37523	B-2				
Q31401	B-4	IP31401	B-6	C11404	B-8	C37562	B-2	R11400	B-8	R37530	D-3				
Q37401	D-3	**Coil**		C11405	B-8	C37563	B-2	R11401	B-8	R37531	C-2				
Q37402	C-3	L11120	D-8	C11406	B-8	C37565	B-2	R11402	B-8	R37532	C-2				
Q37403	C-3	L11121	E-7	C11407	B-8	C37566	B-2	R11403	B-8	R37533	C-1				
Q37404	D-4	L11270	C-7	C11408	B-8	C37567	C-2	R11404	B-8	R37534	C-2				
Q37505	B-2	L11271	B-7	C11470	B-8	C37569	B-2	R11405	B-8	R37535	C-2				
Q37506	B-2	L11280	C-8	C11471	A-7	C37579	D-3	R11406	B-8	R37536	C-2				
Q37507	B-2	L11400	B-8	C11501	B-7	C37580	C-2	R11407	B-8	R37537	C-2				
Q37508	B-2	L11401	B-8	C11502	B-7	C37581	C-2	R11408	B-9	R37538	D-2				
Q37512	A-7	L11402	B-8	C11503	B-7	C37582	C-2	R11409	B-9	R37539	D-2				
Transistor-resistor		L11500	B-7	C11505	B-7	C37583	C-2	R11410	B-8	R37540	C-3				
QR11300	B-7	L11501	B-8	C11506	B-7	C37584	D-2	R11411	B-8	R37541	D-2				
QR11301	B-7	L31001	C-5	C11508	B-7	C37585	D-2	R11412	B-8	R37542	D-3				
QR31300	B-6	L31400	C-5	C11570	B-8	C37586	D-2	R11413	B-8	R37544	D-2				
QR31301	B-4	L31401	B-5	C31001	C-5	C37587	C-2	R11414	B-8	R37545	D-2				
QR34001	B-2	L31402	B-6	C31002	C-5	C37588	D-2	R11415	B-8	R37546	D-3				
QR34002	B-3	LB11122	D-7	C31003	C-5	C37589	D-2	R11416	B-8	R37547	D-3				
QR37401	C-4	LB11125	C-8	C31004	D-5	C37591	E-2	R11501	B-7	R37548	E-2				
QR37501	E-2	LB11126	C-8	C31400	B-4	C37592	D-3	R11502	B-7	R37549	D-2				
QR37502	D-4	LB11127	C-7	C31401	B-4	C37593	D-3	R11503	B-7	R37550	D-2				
Test Point		LB11400	B-8	C31402	B-4	C37595	D-3	R11504	B-7	R37551	D-3				
CL37401	C-4	LB11401	B-9	C31403	B-4	C37596	D-2	R31401	B-4	R37552	C-2				
TL37503	D-2	LB11402	B-8	C31404	B-4	C37597	D-2	R31402	B-4	R37554	D-2				
TL37504	D-2	LB11403	B-7	C31405	B-5	C37598	D-2	R31403	B-5	R37556	D-2				
TL37518	D-3	LB11404	B-7	C31406	B-4	C37599	D-2	R31404	B-4	R37557	D-2				
TL37519	D-3	LB31001	C-5	C31407	B-6	C37600	D-2	R31406	B-7	R37558	D-2				
TL37520	E-3	LB31002	C-5	C31408	B-6	C37601	D-3	R31407	B-6	R37559	E-3				
TL37566	C-2	LB31003	C-5	C31409	B-7	C37602	D-2	R31409	B-7	R37561	E-2				
TW37501	B-2	LB31004	D-5	C31410	B-7	C37603	D-1	R31410	B-4	R37562	D-1				
Connector		LB31005	D-5	C31411	B-7	C37604	D-2	R31411	B-6	R37569	D-1				
P11101	D-9	LB31006	D-5	C31412	B-7	C37607	C-2	R31412	B-4	R37571	D-1				
P11103	B-7	LB31007	D-5	C31413	B-7	C37609	C-1	R31504	D-6	R37572	D-1				
P31901	A-7	LB31401	B-4	C31416	B-4	C37610	D-1	R31506	D-5	R37573	B-1				
P31902	A-6	LB31901	B-5	C31513	D-5	C37618	B-1	R31507	D-4	R37575	D-2				
P31903	A-6	LB31902	A-6	C31514	C-5	C37620	B-1	R31508	D-4	R37577	C-1				
P31904	A-3	LB31903	B-8	C31515	C-5	C37626	D-4	R31509	D-4	R37578	D-2				
P31905	A-1	LB31904	A-7	C31516	D-6	C37633	B-2	R31510	D-5	R37581	D-2				
P37503	A-8	LB31905	B-6	C31518	D-5	C37636	D-3	R31511	D-5	R37582	D-2				
P39702	C-4	LB34001	A-7	C31520	D-6	C37639	A-8	R31512	D-5	R37583	C-1				
PP31903	B-1	LB34002	C-5	C31521	D-6	C37651	D-2	R34043	C-4	R37584	C-2				
PP31904	D-1	LB34003	C-4	C31522	D-6	C37652	D-2	R34044	C-4	R37585	D-3				
Diode		LB34004	D-4	C31523	D-5	**Resistor**		R34049	B-3	R37596	D-4				
D11110	D-8	LB37402	D-3	C31524	D-5	R11150	D-6	R34050	B-3	R37597	D-4				
D11141	E-7	LB37501	B-2	C31527	D-5	R11151	D-6	R37401	D-3	R37599	D-3				
D11151	D-7	LB37506	C-2	C31528	D-4	R11152	C-6	R37402	D-3	R37600	D-3				
D11152	C-6	LB37507	D-3	C31531	D-4	R11154	C-6	R37403	D-3	R37601	E-3				
D11153	C-6	LB37508	D-2	C31533	D-5	R11155	C-7	R37404	C-4	R37602	A-7				

Power & Digital I/F P.C.B.


ZJ37406
IC37501
MK1
MK2
IC37506
IC37502
IC31509
IC31510
IC31508
IC31507
IC31506
IC31505
IC11500
IC31401
IC11400
T11150
ZA11104
ZA11103
ZA11270
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ZJ37405
ZJ37407
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K3040

Ref No.	IC11150						IC11200														
MODE	1	2	3	4	5		1	2	3												
REC	3.2	1.6	0	13.7	3118		10.7	2.2	0												
PLAY	3.2	1.6	0	13.7	3118		10.7	2.2	0												
STOP	3.2	1.6	0	13.7	3118		10.7	2.5	0												
Ref No.	IC11400																				
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
REC	6.3	6.4	12.7	12.7	12.7	12.7	5.6	12.4	0	2.3	4.9	2.2	2.4	4.4	4.7	4.8	0	0	12.7	6.7	
PLAY	6.3	6.4	12.7	12.7	12.7	12.7	5.6	12.4	0	2.3	4.9	2.2	2.4	4.4	4.7	4.8	0	0	12.7	6.7	
STOP	6.1	6.2	12.7	12.7	12.7	12.7	5.2	12.3	0	2.3	4.9	2.2	2.4	4.4	4.7	4.8	0	0	12.7	6.7	
Ref No.	IC11400																				
MODE	21	22	23	24	25	26															
REC	2.3	6.0	6.0	6.0	6.0	0															
PLAY	2.3	6.0	6.0	6.0	6.0	0															
STOP	2.4	5.8	5.8	5.7	5.7	0															
Ref No.	IC11500									IC31400											
MODE	1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8				
REC	12.7	0	1.5	4.1	0	1.4	0.8	8.4		12.7	4.4	1.2	1.3	1.2	0	10.8	12.7				
PLAY	12.7	0	1.5	4.1	0	1.4	0.8	8.4		12.7	4.4	1.2	1.3	1.2	0	10.8	12.7				
STOP	12.7	0	1.5	4.1	0	1.4	0.8	8.2		12.7	4.5	1.2	1.3	1.2	0	10.7	12.7				
Ref No.	IC31401									IC31505											
MODE	1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8				
REC	12.7	0	1.5	4.2	0	1.2	0.8	3.8		5.2	0	0	3.3	0	0	0	5.9				
PLAY	12.7	0	1.5	4.2	0	1.2	0.8	3.8		5.2	0	0	3.3	0	0	0	5.9				
STOP	12.7	0	1.5	4.2	0	1.1	0.8	3.6		5.2	0	0	3.3	5.9	0	0	5.9				
Ref No.	IC31506						IC31507									IC31508					
MODE	1	2	3	4	5		1	2	3	4	5	6	7	8		1	2	3	4	5	
REC	5.9	4.8	5.0	0	0		5.0	0	0	3.1	4.8	0	0	5.9		5.9	4.8	3.3	0	0	
PLAY	5.9	4.8	5.0	0	0		5.0	0	0	3.1	4.8	0	0	5.9		5.9	4.8	3.3	0	0	
STOP	5.9	4.8	5.0	0	0		5.0	0	0	3.1	4.8	0	0	5.9		5.9	4.8	3.3	0	0	
Ref No.	IC31509						IC31510														
MODE	1	2	3	4	5		1	2	3	4	5	6	7	8							
REC	2.0	3.5	1.2	1.0	0		1.5	0.8	3.5	3.5	0	0	2.0	2.0							
PLAY	2.0	3.5	1.2	1.0	0		1.5	0.8	3.5	3.5	0	0	2.0	2.0							
STOP	2.0	3.5	1.2	1.0	0		1.5	0.8	3.5	3.5	0	0	2.0	2.0							
Ref No.	IC37501																				
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
REC	4.8	5.1	4.3	0	0	0	0	0	0.6	1.2	4.8	1.7	0	0	4.8	4.8	5.0	5.1	0.3	0	
PLAY	4.8	5.1	4.3	0	0	0	0	0	0.6	1.2	4.8	1.7	0	0	4.8	4.8	5.0	5.1	0.3	0	
STOP	4.8	5.1	4.3	0	0	0	0	0	0.6	0	4.8	1.7	0	0	4.8	4.8	0	0	0	4.8	
Ref No.	IC37501																				
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
REC	0	0	0	0	0	0	4.8	4.6	4.2	0	1.8	1.6	1.9	4.8	2.6	0	0.3	4.7	5.0	5.1	
PLAY	0	0	0	0	0	0	4.8	4.6	4.2	0	1.8	1.6	1.9	4.8	2.6	0	0.3	4.7	5.0	5.1	
STOP	0	0	1.8	0	0	0	4.8	4.6	4.2	0	1.8	1.7	1.9	4.8	2.6	0	0.4	4.7	5.0	5.1	
Ref No.	IC37501																				
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	
REC	0	2.1	3.9	4.3	0	4.8	3.7	0	0	0	0	4.8	5.0	0	0	4.8	0	0	5.0	0	
PLAY	0	2.1	3.9	4.3	0	4.8	3.7	0	0	0	0	4.8	5.0	0	0	4.8	0	0	5.0	0	
STOP	0	1.3	3.9	4.3	0	4.8	3.7	0	0	0	0	4.8	5.1	0	0	4.8	0	0	5.0	0	
Ref No.	IC37501																				
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	
REC	0	5.1	0	2.5	0	0	0	0	4.8	0	0	5.1	0	0	5.0	0	0	0	0	5.1	
PLAY	0	5.1	0	2.5	0	0	0	0	4.8	0	0	5.1	0	0	5.0	0	0	0	0	5.1	
STOP	0	5.1	0	2.5	0	0	0	0	4.8	0	0	5.1	0	0	5.0	0	0	0	0	5.1	
Ref No.	IC37501																				
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	
REC	0	4.9	0	0	0	4.8	0	4.8	4.8	0.1	0	0	0	0	4.9	5.1	5.1	0	4.8	0	
PLAY	0	4.9	0	0	0	4.8	0	4.8	4.8	0.1	0	0	0	0	4.9	5.1	5.1	0	4.8	0	
STOP	0	4.9	0	4.8	0	4.8	0	0	4.8	0.1	0	0	0	5.0	4.9	5.1	5.1	0	4.8	0	
Ref No.	IC37501																				
MODE	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116					
REC	0	0	0	5.1	5.1	4.8	5.0	4.8	2.0	1.3	0	4.9	2.0	0	0	5.0					
PLAY	0	0	0	5.1	5.1	4.8	5.0	4.8	2.0	1.3	0	4.9	2.0	0	0	5.0					
STOP	0	0	5.1	5.1	5.1	4.8	0	4.8	2.0	1.3	0	0	2.0	0	0	5.0					
Ref No.	IC37502									IC37503						IC37505					
MODE	1	2	3	4	5	6	7	8		1	2	3	4	5		1	2	3	4	5	
REC	0	0	0	0	4.3	4.6	4.8	5.1		0	5.1	5.1	0	0		2.2	3.5	0	0	0	
PLAY	0	0	0	0	4.3	4.6	4.8	5.1		0	5.1	5.1	0	0		2.2	3.5	0	0	0	
STOP	0	0	0	0	4.3	4.6	4.9	5.1		5.1	5.1	0	0	0		2.3	3.5	0	0	0	
Ref No.	IC37506									IC37508											
MODE	1	2	3	4	5	6	7	8		1	2	3	4	5							
REC	5.7	1.8	1.8	0	1.8	1.8	1.8	12.7		0	0	0	4.8	4.8							
PLAY	5.7	1.8	1.8	0	1.8	1.8	1.8	12.7		0	0	0	4.8	4.8							
STOP	5.7	1.8	1.8	0	1.8	1.8	1.8	12.7		0	0	0	4.8	4.8							

Ref No.	Q11200					Q11270							Q31401							
MODE	1	2	3	4		1	2	3	4	5	6		1	2	3	4	5	6		
REC	11.7	10.7	0	1.6		12.7	12.7	0	12.7	12.7	12.7		0	0.9	10.9	12.7	0.9	0.9		
PLAY	11.7	10.7	0	1.6		12.7	12.7	0	12.7	12.7	12.7		0	0.9	10.9	12.7	0.9	0.9		
STOP	11.7	10.7	0	1.6		12.7	12.7	0	12.8	12.7	12.7		0.8	0.8	10.9	0	0.8	0.8		
Ref No.	Q37401				Q37402				Q37403				Q37404				Q37505			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
REC	1.3	5.0	1.9		1.3	5.0	1.9		1.3	5.0	1.9		1.3	5.0	1.9		2.5	0	1.9	
PLAY	1.3	5.0	1.9		1.3	5.0	1.9		1.3	5.0	1.9		1.3	5.0	1.9		2.5	0	1.9	
STOP	1.3	5.0	1.9		1.3	5.0	1.9		1.3	5.0	1.9		1.3	5.0	1.9		2.5	0	1.9	
Ref No.	Q37506				Q37507				Q37508				Q37512							
MODE	E	C	B		E	C	B		E	C	B		E	C	B					
REC	2.0	5.0	1.6		2.6	0	1.9		2.0	5.0	1.6		5.6	12.7	5.0					
PLAY	2.0	5.0	1.6		2.6	0	1.9		2.0	5.0	1.6		5.6	12.7	5.0					
STOP	2.0	5.0	1.6		2.6	0	1.9		2.0	5.0	1.6		5.6	12.7	5.0					
Ref No.	QR11300				QR11301				QR31300				QR31301							
MODE	E	C	B		E	C	B		E	C	B		1	2	3	4	5	6		
REC	0	0	4.8		0	0	4.8		0	0	4.8		0	0	0	4.4	4.8	0		
PLAY	0	0	4.8		0	0	4.8		0	0	4.8		0	0	0	4.4	4.8	0		
STOP	0	0	4.8		0	0	4.8		0	0	4.8		0	0	0	4.4	4.8	0		
Ref No.	QR34001							QR34002							QR37401					
MODE	1	2	3	4	5	6		1	2	3	4	5	6		E	C	B			
REC	5.8	4.8	0	0	0	0		5.8	2.4	0	0	0	0		0	4.3	0.3			
PLAY	5.8	4.8	0	0	0	0		5.8	2.4	0	0	0	0		0	4.3	0.3			
STOP	5.8	4.8	0	0	0	0		5.8	2.4	0	0	0	0		0	4.3	0.3			
Ref No.	QR37501				QR37502															
MODE	E	C	B		E	C	B													
REC	5.1	0	5.1		0	0	2.2													
PLAY	5.1	0	5.1		0	0	2.2													
STOP	5.1	0	5.1		0	0	2.2													

S:Syscon/Servo/Timer Section(Page: C)
A:Hi-Fi Audio Section(Page: D)
V:Video Section(Page: E)

TO P31901
POWER & DIGITAL I/F P.C.B.
(DIGITAL I/F SECTION)
P6001

X SW5.8V	1
X SW5.8V	2
X SW13V	3
X SW13V	4
IECOUT	5
ANA5V	6
GND	7
GND	8
PS5V	9
	10
AV2 B IN	11
AV2 R IN	12
GND	13

TO P31905
POWER & DIGITAL I/F P.C.B.
(DIGITAL I/F SEC.)
P6005

5.2V	1
REMOCON	2
GND	3
	4
VTR CS	5
P SAVE (H)	6
AD5V	7

TO P31902
POWER & DIGITAL I/F P.C.B.
(DIGITAL I/F SECTION)
P6002

X SW15.5V	1
MGND	2
GND	3
CPNCIN DM	4
GND	5
V YIN DM	6
GND	7
COUT DM	8
GND	9
YOUT DM	10
GND	11
GPYOUT DM	12
BPBOUT DM	13
RPROUT DM	14
PROUT DM	15
DGND	16
DGND	17
AADC R	18
AADC L	19

(A) AADC L
(A) AADC R
(A) PROUT DM
(V) V YIN DM
(A) DGND

(V) HPNC (H)
(V) DUB (H)
(V) S-VHS (H)
(V) FSC

MODE SW
S1532
K0ZZ00000598
1 2 3 4 G 5

(V) OSD 5V
(V) OSD V IN

(V) ART V H N
(V) PAL EP (H)
(A)(V) DVD OUT (H)
(V) VIDEO HEAD SW
(A) AUDIO HEAD SW
(A)(V) D REC (H)
(A) ABS NORMAL (L)
(V) BIAS (H)
(A) FM MUTE (H)
(V) TRACKING ENV
(V) FREQ ADJ
(A) RFC A MUTE (H)
(V) CTL HEAD (+)
(V) CTL HEAD (-)

(A) MESECAMDET (H)
(V) 60Hz (H)
(A)(V) VTR P ON (H)

(V) OSD GND

X SW+13V
X SW+15.5V
ANA+5V
X SW+5.8V
AD+5V

TW1343
16V

IC6202
C0EBE0000348
(RESET)
1 OUT
2 +5V
3 GND
5 C6201 6800P

D7751
B0JACE000001

R7751 180
C7752 6V220
C7701 F4D55473A005

IC6201
C0EBH0000172
(P FAIL (L) OUT)
1 OUT
2 +5V
3 GND
5

(RESET) TL6004
TL6002

R6201 10K
C6103 0.01
C6101 0.1
R6031 22K

X6002
H0A327200026
(32KHz)
C6003 18P
C6004 22P
R6003 22K

X6001
H0D120500009
(12MHz)
C6001 18P
C6002 22P
R6002 1K

C6009 0.01
R6001 1K
C6008 470P
C6010 0.01
L6002

C6013 1
R6013 1M
R6012 470
C6017 560P
R6016 1K
R6018 1K

L6003 68u

E75VEG
R6019 1500
C6018 33P
L6001 33u
Q6001
2SB1218A0L
(SECAM MIX)

E75VEB
R6025 47K

C3018 0.1
C6011 0.01
C6007 6V220
Q3001
2SD1819A0L
(BUFFER)
R3006 330

OSD+5V

Q6003
2SD1819A0L
(AMP)
R6020 560
C6006 0.1
L6004 1.5u
R6021 560
R6023 180
Q6002
2SB1218A0L
(AMP)
R6022 1K
R6017 2200
C6015 0.033
C6016 1000P

SAFETY TAB SW
S1531
K0C111A00003

TW2001
HSW

TL6010

R6032 10K
R6014 10K
R6008 2200
R6024 220
R6109 220
R6606 27K
R6607 18K
R6611 18K
C6005 16V10

IC6001
C2CBJGG000369
(SYSCON/SERVO/TIMER)

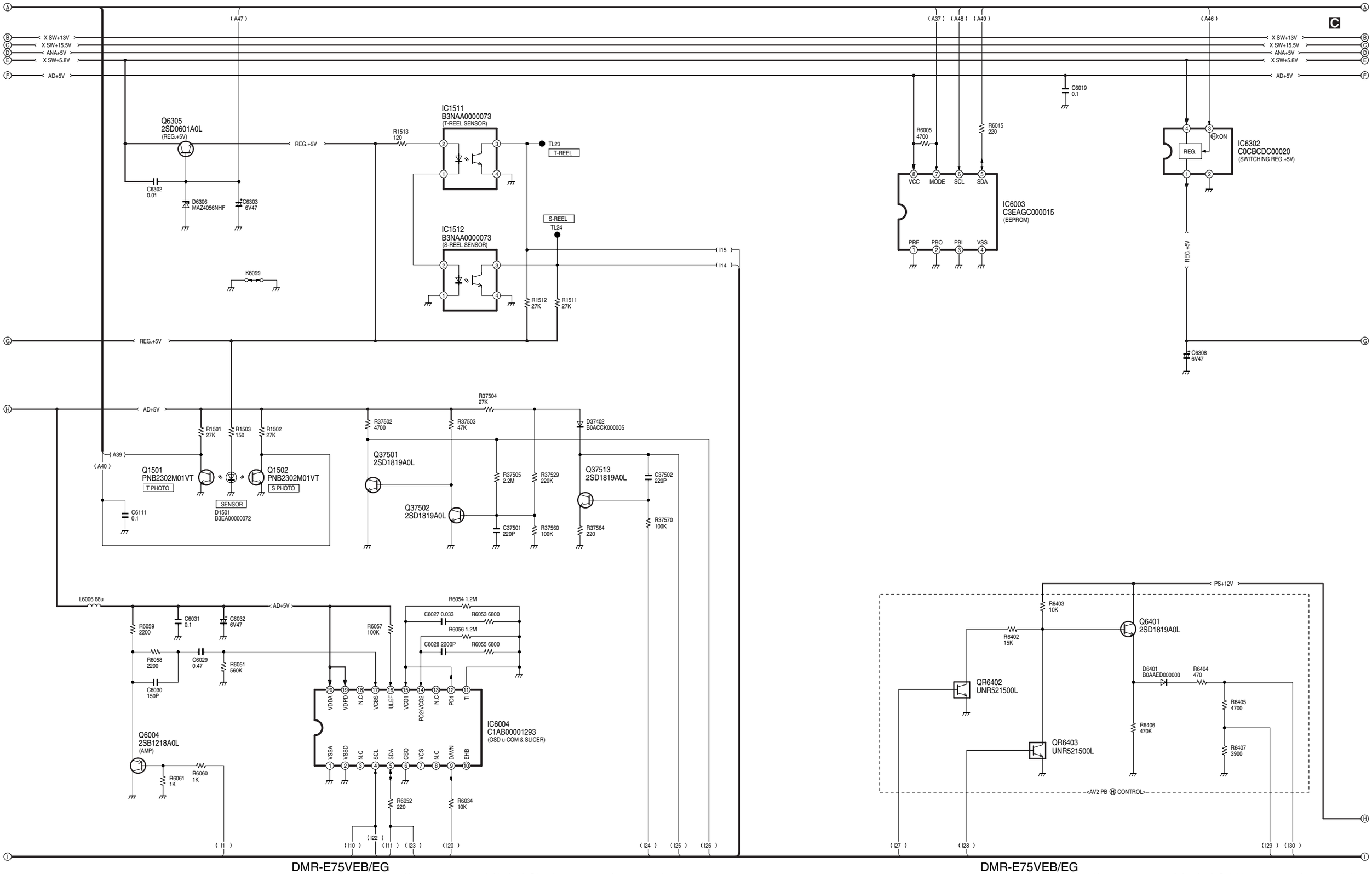
30	POS.SW4	31	POS.SW3
29	NC	32	POS.SW2
28	FM MUTE (H)	33	POS.SW1
27	S TAB (L)	34	RESET (L)
26	BIAS (H)	35	32KHz IN
25	PAL EP (H)	36	32KHz OUT
24	NC	37	5V(D)
23	ABS NORMAL (L)	38	12MHz IN
22	NC	39	12MHz OUT
21	TEST2	40	GND(OSC)
20	D.REC (H)	41	S-DUB (H)
19	AUDIO H SW.	42	S-VHS (H)
18	VIDEO H SW.	43	32K.START (L)
17	NC	44	EEP WR
16	NC	45	HPNC (H)
15	VTR TIMER CS	46	GND(NUB)
14	REMOCON	47	FSC.LPF
13	ART. V/H/N	48	OSD FSC IN
12	FREQ ADJ	49	GND(OSD)
11	CURRENT LIMIT (H)	50	OSD VIDEO1
10	BILSTMO	51	KILLER
9	TRACKING ENVE	52	OSD VIDEO OUT
8	T-PHOTO	53	VREG+5V(OSD)
7	S-PHOTO	54	HLF
6	VTR KEY2	55	NC
5	VTR KEY1	56	OSD VIDEO2
4	NC	57	GND
3	NC	58	RF AUDIO MUTE (H)
2	KILLER DET (L)	59	SECAM MIX
1	DVD OUT (H)	60	LP (H)
		61	S-VHS DET (H)
		62	VHS TUN (H)
		63	NC
		64	FLD CS
		65	FLD DATA OUT
		66	FLD DATA IN
		67	FLD CLOCK.
		68	TIMER BUS DATA OUT
		69	TIMER BUS DATA IN
		70	TIMER BUS CLOCK
		71	IIC CLK
		72	IIC DATA
		73	AUDIO COMMON MUTE
		74	CAP R/F
		75	POWER ON (H)
		76	CAP ET
		77	CYL ET
		78	POWER FAILER (L)
		79	S-REEL PULSE
		80	T-REEL PULSE

R6108 680
R6104 220
R6105 680
R6106 220
R6107 220
TL6001
R6030 4700
R6029 4700
R6028 10K
R6027 10K
R6026 10K
R6036 1K
R6035 1K
R2561 1K
R2551 10K

100	AFC S-CURVE(VHS)	50	PB.CTL.OUT
99	5V(AD)	49	CTL.AMP REF.
98	5V(A)	48	CTL.HEAD(+)
		47	CTL.HEAD(-)
		46	SECAM DET (H)
		45	IREF
		44	OREF
		43	CYL.PFG
		42	NC
		41	GND(A)
		40	CAP FG AMP IN
		39	CAP FG AMP OUT
		38	DAVN
		37	LOADING (H)
		36	UNLOADING (H)
		35	EXCEPT FF/REW (L)
		34	60Hz (H)

C6012 0.01
R6004 43K
R6010 39K
R6009 100
C2051 6V22
TW2002
PB CTL
C2053 35V10
C2054 3900P
K6001
C2001 33P
R2002 1M
C2055 0.1
D2001
B0AAED000003
D2002
B0AAED000003
CAP FG
TL2015
R2001 3900
C2003 1
K2597
K6098

DMR-E75VEB/EG
Syscon/Servo/Timer Section (Main P.C.B.(1/3)) Schematic Diagram(S)



DMR-E75VEB/EG
Syscon/Servo/Timer Section (Main P.C.B.(1/3)) Schematic Diagram(S)

DMR-E75VEB/EG
Syscon/Servo/Timer Section (Main P.C.B.(1/3)) Schematic Diagram(S)

VIDEO MAIN SIGNAL PATH IN REC MODE
VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE
AUDIO MAIN SIGNAL PATH IN REC MODE
AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE
CAPSTAN SERVO SPEED LOOP
CAPSTAN SERVO PHASE LOOP
CYLINDER SERVO SPEED LOOP
CYLINDER SERVO PHASE LOOP
DVD VIDEO SIGNAL
DVD AUDIO SIGNAL

C

X SW+13V
ANA+5V
X SW+5.8V
AD+5V
X SW+15.5V
REG.+5V
PS+12V

R7906 22K
R7905 22K
Q7902 2SD1819A0L (POWER SAVE)
D7901 MAZ4220NMF
C7902 50V10
R7901 330
T7901 ETS13TB159AP (DC/DC CONVERTER)
C7903 0.1
LB7901 J0JKB0000028
R7908
D7904 MA2C18500E
C7901 0.01
D7903 B0JAME000025
C7910 50V56
C7908 0.01
D7906 MAZ4300NMF
K7901
L7901 100u
R7902 33K
C7906 0.047
R7903 3300
C7907 10V100
R7904 4700
C7904 0.1
C7905 16V220
D7902 B0AAGM000007
Q7901 2SD21770SA (POWER SAVE)
D7905 MA2C18500E
R7907 100
R7909 39K
C7909 50V56

R2516 220
R2514 220
R2515 220
C2512 0.1
C2510 0.1
C2511 0.1
D2501 B0AAML000002
C2519 0.01
C2509 16V22
R2502 1.5
R2501 1.2
R2565 100
C2501 0.1
C2502 6V220
C2508 1800P
C2518 0.01
R2520 18K
R2521 1K
C2513 1
R2564 100
C2552 0.056
C2551 0.056
R2552 10K
K2598

IC2501
C1AB00001767
(LOADING MOTOR AND CYLINDER MOTOR DRIVE

M3 RNF M2 M1 VM COM 27 VCC PFG PG OUT PG- PG+ EC
VM2 OUT1 L GND OUT2 F IN R IN 26 VG GND CST CT1 CT2 PCI CNF

PG/FG COMPOSER
DIFFERENTIAL AMP
MOTOR DRIVE
PRE-DRIVE
MOTOR DRIVE SIGNAL GENERATOR
SELECTOR
DIFFERENTIAL AMP
DIFFERENTIAL AMP
RRE-DRIVE
AMP
AMP
CONTROL LOGIC
TSD
STARTING CONTROL LOGIC
SOFT SWITCH
LOWER SATURATION PREVENT CIRCUIT

C2506 0.22
C2504 0.022
C2505 0.022
C2515 0.01
C2507 1000P
R2503 1800
D2502 MAZ4160NMF

R6309 2700
TO PP7503 FL DRIVE P.C.B. P6601
L7902
UNREG 38V
TL2502 CAP TL
R2562 47K
C2571 25V220
C6112 22P
C6113 22P
R2563 1K
C2562 0.056
C2561 0.056

TO CAPSTAN UNIT P2571
MGND
CAP R/F
CAP ET
CURR LIMIT
GND
CAP FG1
X SW+15V
5V

TO CYLINDER UNIT P2501
M1
M2
M3
COM
GND
PG(-)
PG(+)

CYLINDER MOTOR
MAIN COIL1
MAIN COIL2
MAIN COIL3
HALL IC

TO PP4801 FRONT JACK P.C.B. PS33001
5V AD
VTR KEY1
IR
VIDEO AV3 IN
VTR KEY2
AUDIO AV3 IN L
A3 SW IN L
AUDIO AV3 IN R
AV3 C IN
GND
AV3 Y IN
GND

TO P31903 POWER & DIGITAL I/F P.C.B. (DIGITAL I/F SECTION) P6003
AUGND
VTR S OUT
GND
VTR S CLK
VTR S IN
MIX R OUT DM
MIX L OUT DM
PBOUT DM
AU5V
AUDIO MUTE L
IIC CLK
IIC DATA
RGB H
SLICER VIDEO
SYNC DET
JC P ON H
AFC S-CURVE(DVD)

TO P31904 POWER & DIGITAL I/F P.C.B. (DIGITAL I/F SECTION) P6004
SCART AUDIO MUTE H
GND
A3 SW IN L
AV2-8
P50IN
P50OUT
WIDE
AV2PB
AV2 G IN
GND
AV2 V IN

LOADING MOTOR
P1531
LOADING M(-)
LOADING M(+)

S:Syscon/Servo/Timer Section(Page: C)
A:Hi-Fi Audio Section(Page: D)
V:Video Section(Page: E)

DMR-E75VEB/EG
Syscon/Servo/Timer Section (Main P.C.B.(1/3)) Schematic Diagram(S)

NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

DMR-E75VEB/EG
Syscon/Servo/Timer Section (Main P.C.B.(1/3)) Schematic Diagram(S)

MAIN P.C.B.

IC0201 (CAPSTAN MOTOR DRIVE)

CAPSTAN MOTOR COILS
A1 A2 A3
MOTOR DRIVE
DIFFERENTIAL AMPLIFIRE
TORQUE CONTROL
TL AMP
EC AMP
DEF AMP
POSITION SIGNAL PROCESS
TORQUE DIRECTION SELECT
HALL
HALL
HALL
H3- H3+ H1- H1+ H2- H2+
VH+
HALL POWER

VM (19) — P0201 P2571 2 — X SW +15.5V
TL (9) — P0201 P2571 5 — TL2502 CAP TL — (11) CURRENT LIMIT (H)
EC (10) — P0201 P2571 6 — (76) CAP ET
ED/S (11) — P0201 P2571 7 — (74) CAP R/F

TL2015 CAP FG — (86) CAP FG OUT
CAPSTAN FG HEAD — P0201 P2571 3 — (87) CAP FG IN

IC2501 (LOADING MOTOR & CYLINDER MOTOR DRIVE)

LOADING MOTOR (M)
P1531 1 — OUT 1 (2) — AMP — PRE-DRIVE — CONTROL LOGIC — F IN (5) — (84) LOADING (H)
P1531 2 — OUT 2 (4) — AMP — R IN (6) — (83) UNLOADING (H)

CYLINDER MOTOR COILS
M1 M2 M3 (22 23 25)
MOTOR DRIVE — PRE-DRIVE — MOTOR DRIVE SIGNAL GENERATOR — SELECTOR — DIFFERENTIAL AMPLIFIRE
COM (20)

VCC (19) — +5V
(91) O REF
(N)
(86) CTL AMP REF

PG COIL
PG+ (15) PG- (16) PG OUT (17)
DIFFERENTIAL AMPLIFIRE — FG/PG COMPOSER — DIFFERENTIAL AMPLIFIRE
(14) — (77) CYL ET
(18) — (90) CYL PFG

CONTROL HEAD
P4002 5 — (94) CTL HEAD(-)
P4002 6 — (95) CTL HEAD(+)

TW2002 PB CTL — (62) EX.FF/REW (L)
(97) PB CTL OUT

MODE SW S1532
1 2 3 4 5 — (SW1) (SW2) (SW3) (SW4)
(SW1) (SW2) (SW3) (SW4) — (93) POSITION SW1 (92) POSITION SW2 (91) POSITION SW3 (90) POSITION SW4

(8) T.PHOTO
(7) S.PHOTO
(27) SAFETY TAB (L)

Q1501 TAKE-UP PHOTO SENSOR
D1501 SENSOR LED
Q1502 SUPPLY PHOTO SENSOR
S1531 SAFETY TAB SW
+5V
IC1511 (T-REEL SENSOR)
IC1512 (S-REEL SENSOR)
TL24 — (79) S.REEL
TL23 — (80) T.REEL

IC6001 (SYSTEM CONTROL/SERVO/TIMER)

32KHz IN (35) — X6002 (32KHz)
32KHz OUT (36)
12MHz IN (38) — X6001 (12MHz)
12MHz OUT (39)
5V(D) (37) — +5.2V

IC6201 (RESET)
(1) OUT +5V (2) — TL6004 TL6002
RESET (L) (34)

IC6302 (SWITCHING REG.+5V)
+5V — (1) OUT IN (4) — X SW+5.8V — FROM POWER
SW (3)
POWER ON (H) (75) — TO IC3002-(5),Q7401,IC7402-(5),IC44005-(1)

VTR TIMER CS (15) — P6005 P31905 5
VTR DATA OUT (68) — P6003 P31903 2
VTR DATA IN (69) — P6003 P31903 5
VTR DATA CLK (70) — P6003 P31903 4
TO/FROM POWER & DIGITAL I/F P.C.B.

IIC CLK (71) — TO IC3001-(73),IC4501-(42),IC6003-(6),IC6004-(4), TU7401-(11)
IIC DATA (72) — TO IC3001-(74),IC4501-(43),IC6003-(5),IC6004-(5), TU7401-(12)

P6005 P31905 2

FRONT JACK P.C.B.

IC7801 (REMOTE CTL.RECEIVER)
REMOCON (14) — PS33001 PP4801 3 10 — (1) IR (3) +5V

VTR OPERATION KEY
VTRKEY 2 (6) — PS33001 PP4801 5 8
S7806 POWER — S7805 FF — S7803 SKIP-R — S7802 STOP — S7801 CH-UP
VTRKEY 1 (5) — PS33001 PP4801 2 11
S7813 EJECT — S7812 REW — S7810 SKIP-F — S7809 CH DN — S7808 PLAY — S7807 REC

DMR-E75VEB/EG
System Control,Servo & Timer
Block Diagram

POWER & DIGITAL I/F P.C.B.

FL DRIVE P.C.B.

IC37501
(DIGITAL I/F & TIMER CPU)

(LPF)

31 LP2FSC
32 LP3FSC
33 LP4FSC

X37502
9 32768Hz IN
10 32768Hz OUT

X37501
12 10MHz OUT
14 10MHz IN

TL37503
21 125Hz

P6005 P31905 5
P6003 P31903 5
P6003 P31903 2
P6003 P31903 4

47 VTR TIMER CS IN
42 VTR S-DATA IN
43 VTR S-DATA OUT
44 VTR S-CLOCK

IC37502
(EEP ROM)

TL37519
SCL 6 — 28 IIC CLOCK

TL37518
SDA 5 — 29 IIC DATA

TL37520
WE 7 — 46 EEPROM

TO/FROM
MAIN P.C.B.

P6005 P31905 2 — 2 REMOCON

IC37508
(RESET)
+5V — 5 IN, OUT 4 — 11 RESET
2

X SW +13V
IC37506
(FAN MOTOR DRIVE)
Q37512
(FAN MOTOR DRIVE)
1 3 7 5 — 23 FAN PWM OUT

FAN MOTOR
M
P37503 1
P37503 3
64 FAN LOCK Ⓗ

FROM
DIGITAL
P.C.B.
P9001 P39702 33 — 1 TBUS CLK
P9001 P39702 38 — AMP QR37401 — 3 VSYNC

T7901
(DC/DC
CONVERTER)
X SW +13V
1 4 5

FL(+) P6601 PP7503 7
FL(-) P6601 PP7503 8

MAIN P.C.B.

FL RESET 84
FL CLS 87
DUB LED Ⓗ 73
TIME WARP LED Ⓗ 67
DVD KEY IN1 96
DVD KEY IN2 97
DVD KEY IN3 104
P FAIL Ⓛ 80
SYS P FAIL Ⓗ 81

PP31903 PP7502 7
PP31903 PP7502 6
PP31903 PP7502 4
PP31903 PP7502 2
PP31904 PP7501 5
PP31904 PP7501 8
PP31904 PP7501 1
PP31904 PP7501 2
PP31904 PP7501 3

IC37503
(RESET)
1 2 3 — AD +5V

QR37502
INV.

IC37505
(RESET)
1 2 3 — D +3.3V

DP7501
TIMER DISPLAY

1 F+
2 F+
61 F-
62 F-
10G 49
7G 52
5G 54
1G 58
6G 53
P1 47 ~ P19 29
P20 21 ~ P36 5

AD +5V
Q7501
(FIP DRIVE)

9 SEG34 ~ 17 SEG26
19 SEG25 ~ 28 SEG16
29 SEG15 ~ 44 SEG00
45 SEG35

DIG04 59
DIG00 63
DIG03 60
DIG05 58
DIG09 54

1 RESET
2 CS
3 S CLOCK
4 S DATA

IC7502
(FIP DRIVE)

VCC1 8
VCC2 18

QR7510
(DUB LED DRIVE)
D7507
DUB
+5V

QR7501
(T-WARP LED DRIVE)
D7501
T-WARP

< DVD OPERATION KEY >

S7501 OPEN/CLOSE
S7502 TO DVD
S7505 CHUP
S7503 TO VHS
S7504 REC
S7507 PLAY
S7508 STOP
S7506 CHDN

DMR-E75VEB/EG
Digital I/F Timer
Block Diagram

S:Syscon/Servo/Timer Section(Page: C)
A:Hi-Fi Audio Section(Page: D)
V:Video Section(Page: E)

TO CYLINDER UNIT
P5001
LP/EP R 1 (A1)
LP/EP COM 2 (A2)
LP/EP L 3 (A3)
SP R 4 (A4)
SP COM 5 (A5)
SP L 6 (A6)
AUDIO HEAD L 7
AUDIO HEAD COM 8
AUDIO HEAD R 9

(A) AUDIO HEAD R (A7)
(A) AUDIO HEAD COM (A8)
(A) AUDIO HEAD L (A9)
(S) TRACKING ENV (A10)
(S) MESECAM DET (H) (A11)
(S) VIDEO HEAD SW (A12)
(S) IIC DATA (A13)
(S) IIC CLK (A14)
(S) SYS GND (A15)

(A)(S) FSC (A16)
(S) KILLER DET. (L) (A37)
(S) DUB (H) (A38)
(A) SCART IN L (A39)
(A) SCART IN R (A40)
(S) SYNC DET (A41)
(S) BPBOUT DM (A42)
(S) GPYOUT DM
(S) RPROUT DM
(S) YOUT DM
(S) COUT DM

J1
VEE0U97

(S) P SAVE (H)

(A) DVD OUT L
R24061 680

(S) AUDIO MUTE (L)

(A) DVD OUT R
(A) AUDIO MUTE2 (H)
R24065 680

(S) CTL HEAD(-)
(S) CTL HEAD(+)
R2099 6800
C2099 680P

TO A/C HEAD
P4002
CTL HEAD(+) 6
CTL HEAD(-) 5
A.HEAD(R) 4
A.HEAD(W) 3
GND 2
AUDIO ERASE IN 1

TO FULL ERASE HEAD
P4001
FULL ERASE OUT 2
FULL ERASE IN 1

(S) LP (H)
(S) DGND
(S)(A) REF GND
(S) AU GND
(A) HA GND

(A) TU AUDIO IN (B1)
(A) NORMAL AUDIO IN (B2)
(A) VIDEO TUNER OUT (B3)
(A) NORMAL AUDIO OUT (B4)

(S) PAL EP (H) (B33)
(S) VHS OSD VIDEO (B9)
(S) P50 (B11)
(S) AV2 B IN (B12)
(S) AV2 G IN (B13)
(S) AV2 RC IN (B14)
(A) DECODER R (B15)
(A) DECODER L (B16)
(A) VHS/DVD TUN.VIDEO (B17)
(S) AV2 PB (H) (B18)
(S) HPNC (H) (B19)
(S) FREQ ADJ (B20)
(S) BIAS (H) (B21)
(S) COM MUTE (B22)
(S) S-VHS DET (H) (B23)
(S) ART V H N (B24)
(S) S-VHS (H) (B25)
(S) OSD V IN
(S) D REC (H)
(S) VTR P ON (H)

(A) A 5V
(S) X SW 5.8V
(S) SCART AUDIO MUTE (H)
(S) 60Hz (H)
(A) LINE OUT L
(A) LINE OUT R
(A)(S) PS5V
(S) BOOSTER +5V
(A)(S) PS12V

(S) I2C5CK
(S) I2C5DT
(S) OSD 5V

(S) AV2 V IN
(A) AV2 IN L
(A) AV2 IN R
(A) AV1 IN L
(A) AV1 IN R

(A) DVD TUNER OUT (A17)
(S) AV3 C IN (A18)
(S) AV3 Y IN (A19)
(S) AV3 V IN (A20)
(S) CPNCIN DM (A21)
(S) SLICER VIDEO (A22)
(S) V YIN DM (A23)

(S) X SW 13V
(A) V GND
K23001

X SW 5.8V
X SW 13V
PS +12V
X SW 5.8V

IC3901
C0DBZJE00003
(REG.PS +12V)
C3901 0.1
C3903 16V47

C3904 1
R3902 10K
IC3902
C0CBCDD00006
(REG.PS +5V)
C3905 1
C3906 0.1

(A24) (A25) E
Q3901
2SD1819A0L
(BUFFER)
R3903 22K
C3907 6V47
R3904 27K
R3905 1K

R3901 10K
QR3901
UNR521300L
(POWER ON/OFF CTL.)
QR3902
UNR521300L
(POWER ON/OFF CTL.)

L3501 56u
R3507 1200
R3501 560
D3501
B0AAED000003
C3504 270P
C3512 270P
C3511 270P
R3512 3300
R3511 3300
R3510 470
R3509 1K
R3513 1500
C3513 220P
C3510 82P
R3508 390K
C3509 1u
R3502 1K
IC3502
AN3293S-T1
(SUB EMPHASIS)
SUB EMPHASIS
LOGIC
GND
SP
LP
PB
REC
VCC
C3508 0.1
C3507 6V47
K3503
C3505 4.7
C3506 4.7

Q3502
2SD1819A0L
(BUFFER)
R3504 3300
C3501 4.7

R24061 680
QR3701
UNR511100L
(AUDIO MUTE (L) :ON)
R24063 2700
Q24002
2SD132800L
(AUDIO MUTE)
C24039 1000P
D24001
MA32142D0LG
R24064 2700
Q24003
2SD132800L
(AUDIO MUTE)
C24040 1000P
R24065 680

R23902 820
R23903 820
QR23901
UNR511300L
(AUDIO MUTE)
QR23902
UNR521600L
(AUDIO MUTE)
QR23903
UNR521600L
(AUDIO MUTE)

T4001
EQQ7QF024P
Q4003
2SD0602ARL
(OSC)
C4021 220P
R4014 10K
R4016 2200
R4017 2200
Q4004
2SB0710A0L
(ERASE HEAD DRIVE)
QR4005
UNR521300L
(BIAS (H) :ON)
R4015 3300
Q4001
2SD114900L
(MUTE)
R4018 1K
Q4002
2SD1819A0L
(MUTE)
R4019 1K
L4001 470u
C4022 10V47
C4023 0.022
C4024 1500P
C4020 0.022
QR4004
UNR511100L
(D REC (H) :OFF)

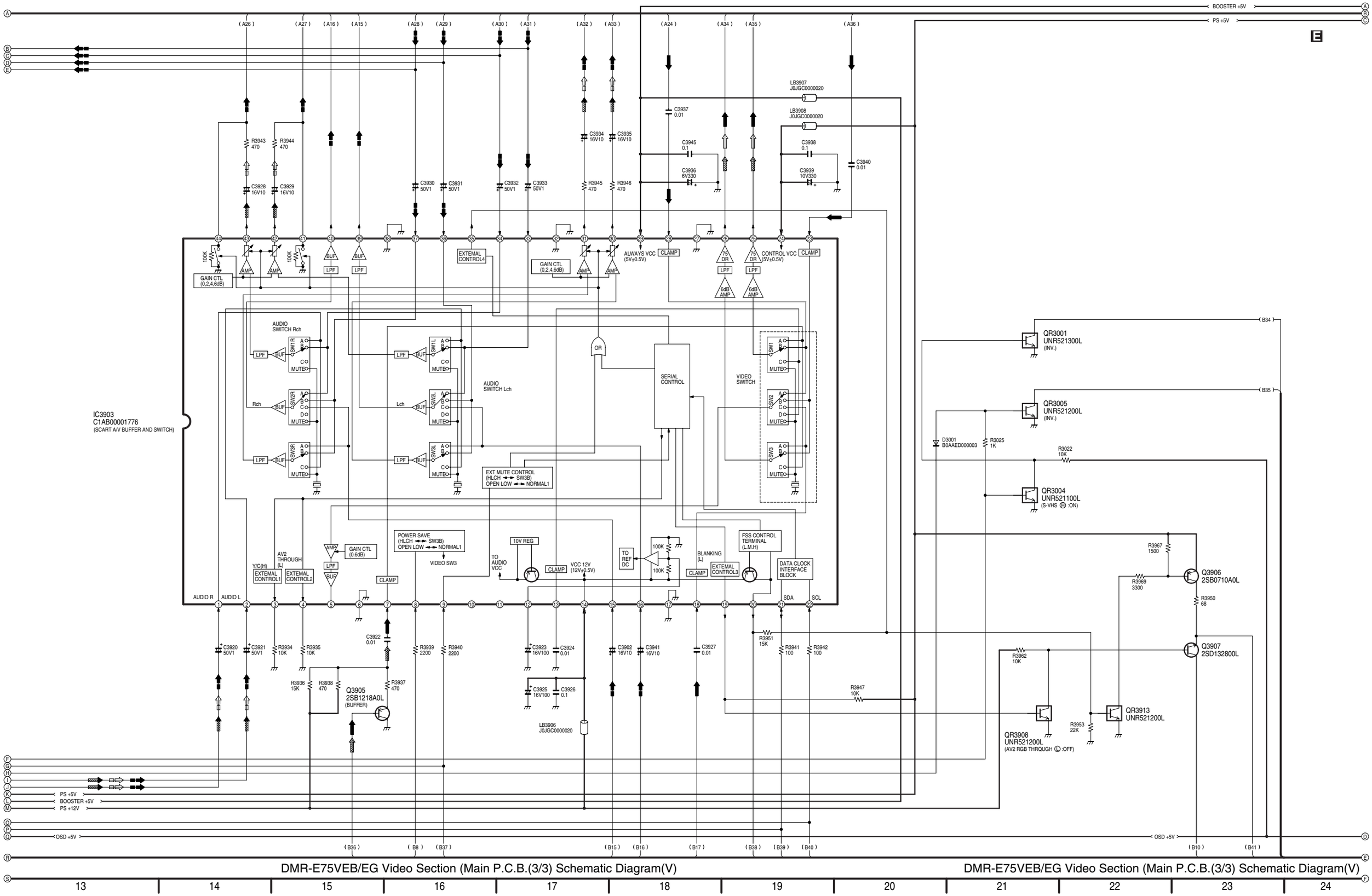
Q3501
2SB1218A0L
(BUFFER)
C3051 1
IC3002
C0CBCDD00007
(REG.OSD +5V)
DRIVER
CURRENT LIMITTER
BIAS
THERMAL SHUTDOWN
REFERENCE
C3033 0.1
C3052 1
C3053 0.1

R3514 1K
R3506 1200
R3505 1200
R3516 1K
IC3501
C1AB00001681
(SELECTOR SWITCH)
C3518 22P
L3504 33u
C3517 56P
L3503 33u
C3516 56P
C3503 4.7
R3503 1K
C3514 4,7
L3502 33u
R3515 1200
C3515 22P
QR3501
UNR521100L
(S-VHS (H) :ON)
C3502 0.1

A5V
X SW5.8V
PS +5V
BOOSTER +5V
PS +12V
OSD +5V

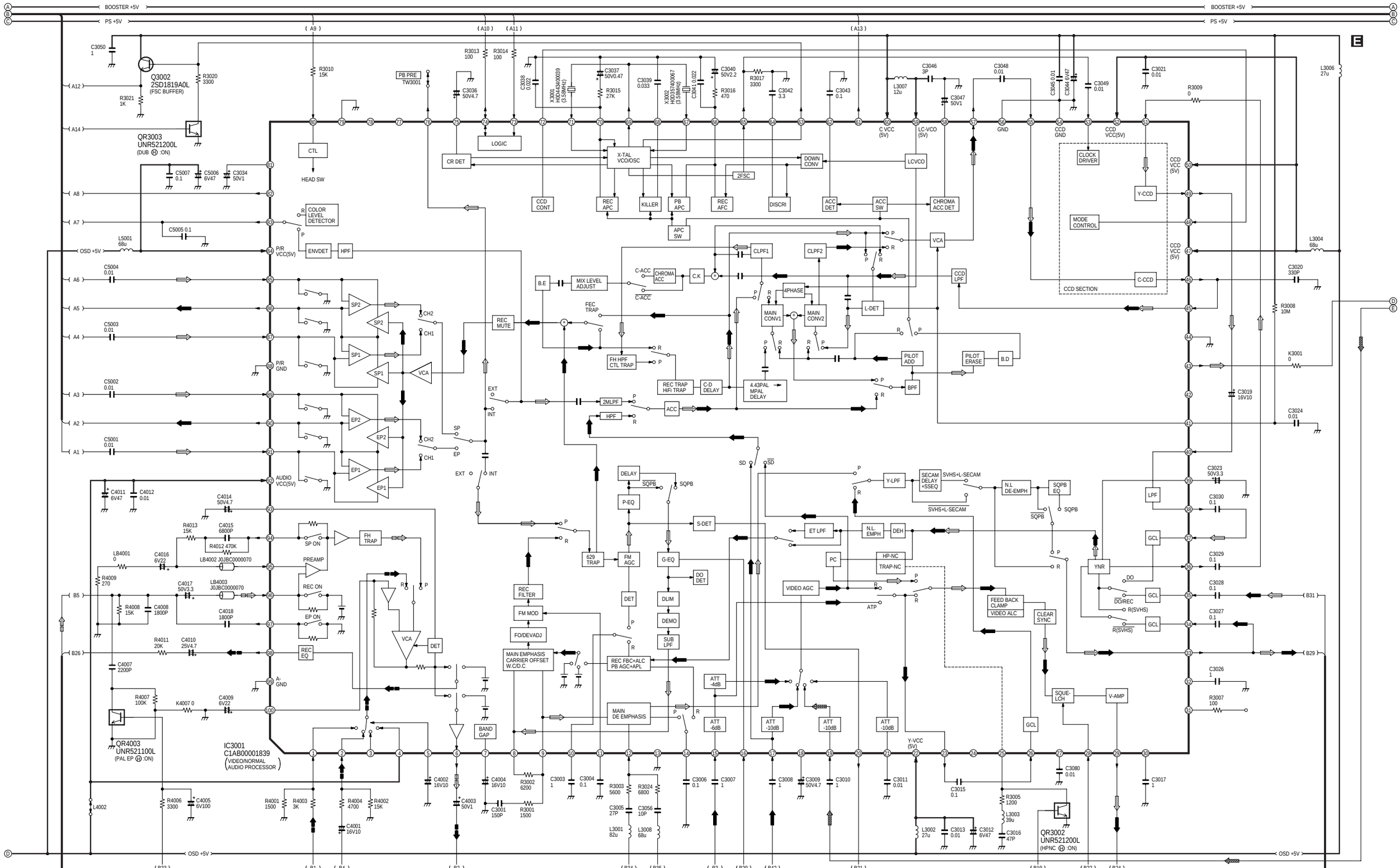
(B25 B23) (B31)

DMR-E75VEB/EG Video Section (Main P.C.B.(3/3) Schematic Diagram(V))



DMR-E75VEB/EG Video Section (Main P.C.B.(3/3) Schematic Diagram(V)

DMR-E75VEB/EG Video Section (Main P.C.B.(3/3) Schematic Diagram(V)



DMR-E75VEB/EG Video Section (Main P.C.B.(3/3) Schematic Diagram(V)

DMR-E75VEB/EG Video Section (Main P.C.B.(3/3) Schematic Diagram(V)

VIDEO MAIN SIGNAL PATH IN REC MODE
VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE
AUDIO MAIN SIGNAL PATH IN REC MODE
AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE
DVD VIDEO SIGNAL
DVD AUDIO SIGNAL

BOOSTER +5V
PS +5V
ANA +5V

JK3903
K1U407B00003
PR PB Y
OPTICAL DIGITAL AUDIO OUT (PCM/BITSTREAM)
GND VCC IN
COMPONENT VIDEO OUT JACK (NTSC:480P/480I PAL:576P/576I)

Q23001
2SB1218A0L
(BUFFER)

IC3904
C1AB00001935
(DVD/VHS SELECTOR SW)
VHS DVD VCC

IC23001
C1AB00001918
(VIDEO I/O PROCESSOR)

S:Syscon/Servo/Timer Section(Page: C)
A:Hi-Fi Audio Section(Page: D)
V:Video Section(Page: E)

QR3903
UNR521100L
(SCART MUTE H :ON)

Q3902
2SB1218A0L
(SCART MUTE)

Q3904
2SD132800L
(SCART MUTE)

Q3903
2SD132800L
(SCART MUTE)

D3901
MA3Z142D0LG

D3906 BDAAED000003

JK24302
K2HA612B0027
REAR A/V JACK
VHS/DVD COMMON OUT
DVD OUT

JK23902
K2HZ105B0005
(S-VHS OUT)
DVD OUT

JK3901
K2HZ242B0002
SCART I/O JACK

AV1

1	AUDIO OUT CH2(R)
2	AUDIO IN CH2(R)
3	AUDIO OUT CH1(L)
4	GND(A)
5	GND
6	AUDIO IN CH1(L)
7	BLUE
8	PB +12V
9	GND
10	-/CONTROL
11	GREEN
12	-/DATA
13	GND
14	GND
15	RED/C OUT
16	BLANKING
17	GND
18	GND
19	VIDEO OUT/Y OUT
20	VIDEO IN
21	GND

AV1 (TV)

AV2

1	AUDIO OUT CH2(R)
2	AUDIO IN CH2(R)
3	AUDIO OUT CH1(L)
4	GND(A)
5	GND
6	AUDIO IN CH1(L)
7	BLUE
8	AV2 +12V
9	GND
10	-/CONTROL
11	GREEN
12	-/DATA
13	GND
14	GND
15	RED/C IN
16	BLANKING
17	GND
18	GND
19	VIDEO OUT
20	VIDEO IN/Y IN
21	GND

AV2 (DECODER /EXT)

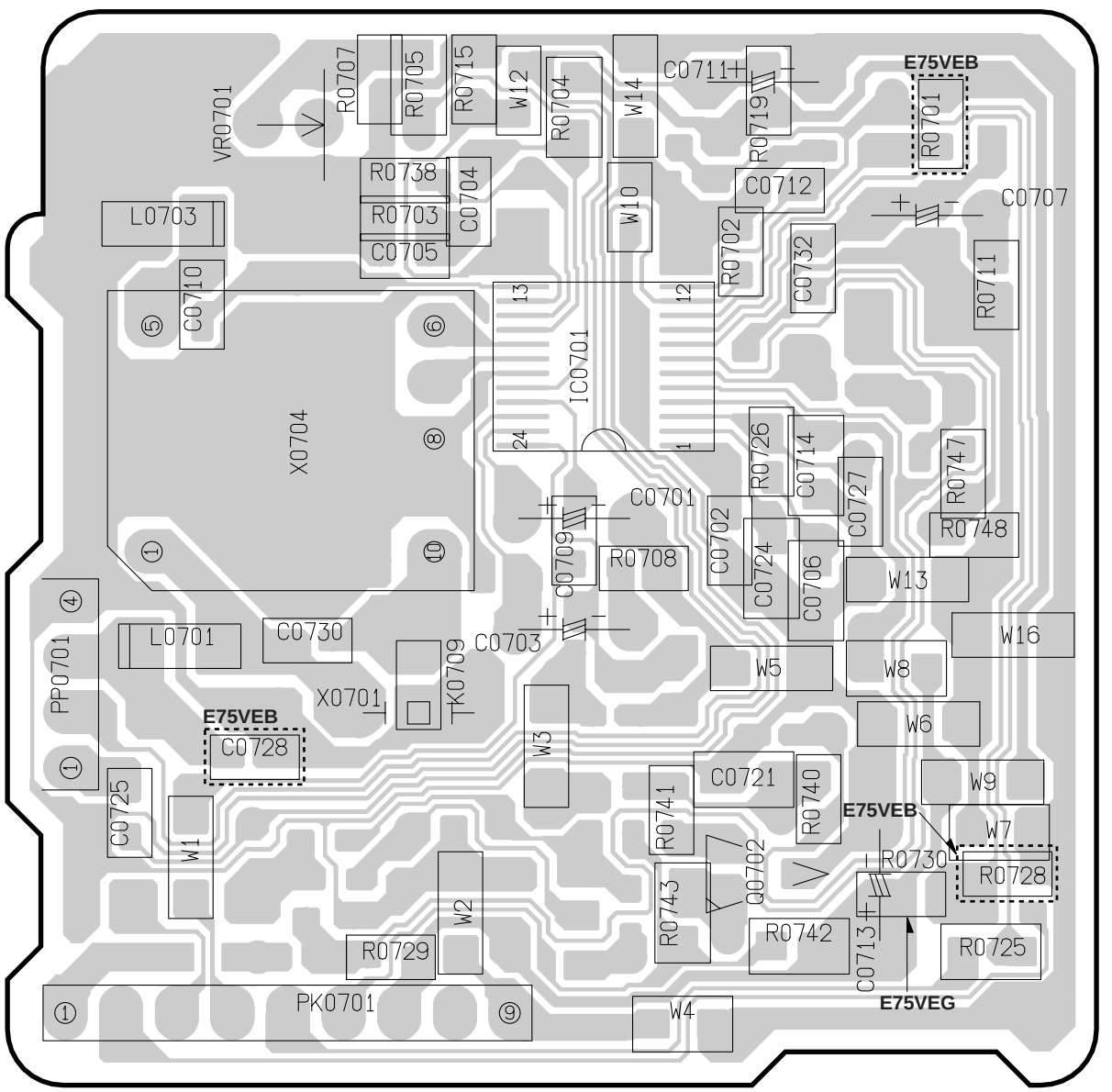
DMR-E75VEB/EG
Video Section
(Main P.C.B.(3/3)
Schematic Diagram(V)

DMR-E75VEB/EG Video Section (Main P.C.B.(3/3) Schematic Diagram(V)

NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERRING.THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST,AND MAY BE SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

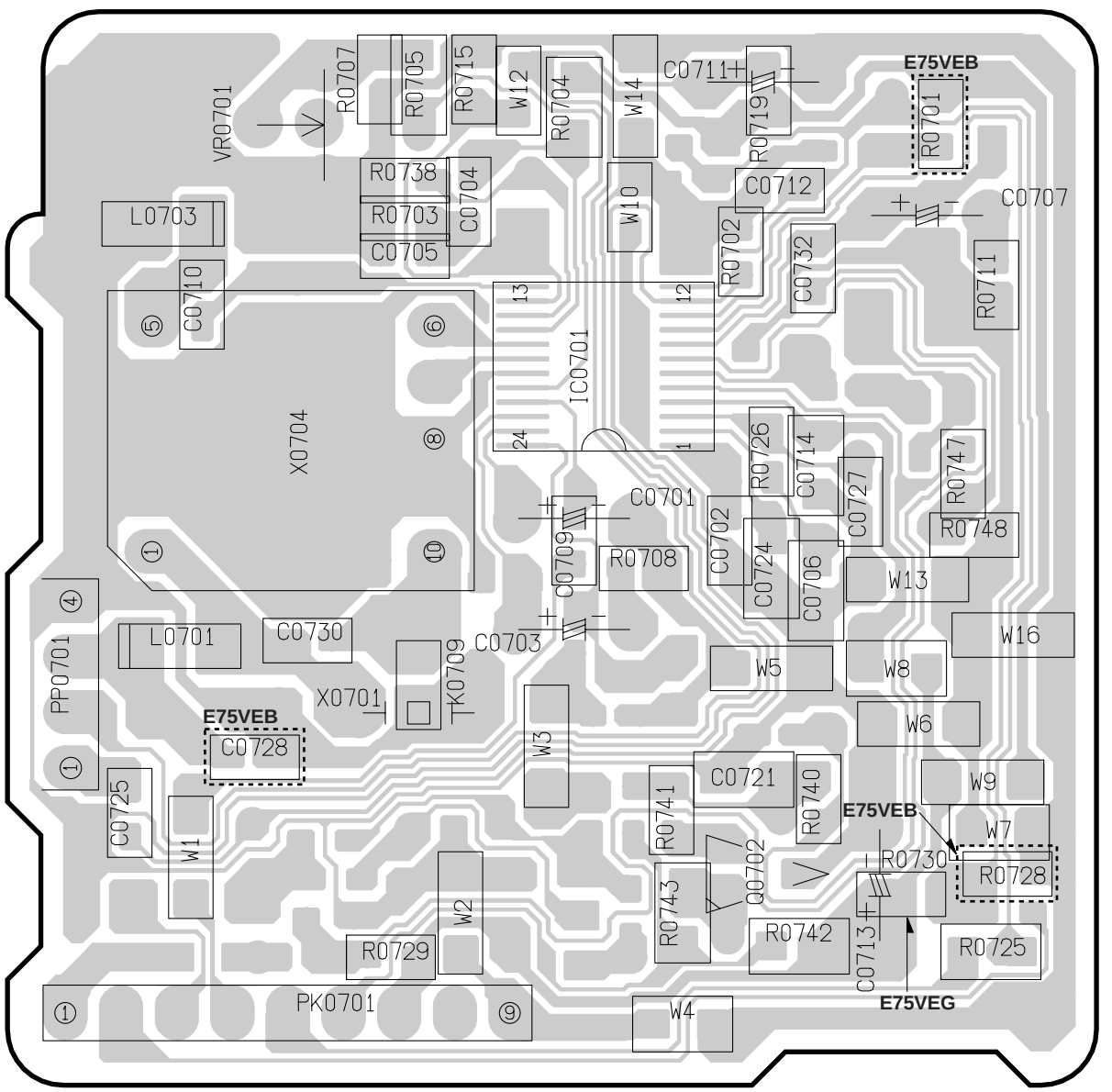
36 37 38 39 40 41 42 43 44 45 46 47

VIF Decoder (A) P.C.B. (For DVD)



DMR-E75VEB/EG
VIF Decoder (A) P.C.B. (For DVD)
VEP07A71K: E75VEB
VEP07A71J: E75VEG

VIF Decoder (B) P.C.B. (For VHS)



DMR-E75VEB/EG
VIF Decoder (B) P.C.B. (For VHS)
(VEP07A71M)

VIDEO SIGNAL PATH
AUDIO SIGNAL PATH

PK0701

DU7402-19		1
DU7402-20		2
DU7402-21		3
DU7402-22	SIF OUT	4
DU7402-23	AFC S-CURVE	5
DU7402-24	TUNER VIDEO	6
DU7402-25	REG 5V	7
DU7402-26		8
DU7402-27	GND	9

TO MAIN P.C.B. (Hi-Fi Audio SECTION)

PP0701 (TO TUNER UNIT)

4MHz	1
AGC	2
IF	3
GND	4

C0714 1
C0713 6V100
R0729 10K
E75VEB R0701 0
R0725 100
C0712 0.1
E75VEB R0728 0
E75VEG R0730 10K
R0711 51
C0707 50V 0.47
C0732 100P
C0725 12P:E75VEB 3P:E75VEG
R0702 100K
C0721 33P:E75VEB 68P:E75VEG
R0740 470
C0706 0.033
R0726 3300
C0727 39P
C0702 1K
C0724 0.01
R0747 270
R0748 270

IC0701
C1AB00001924

0.3 2.0 2.8 5.0 1.1 1.1 4.6 3.1 0 5.0 1.3 2.3
5V

AGC
EQ AMP
FLL
AFT
SIF AMP
APC
VCO
FM DET
AMP SW
1ST SIF DET
TRAP
VIDEO DET
AMP
AGC
1ST SIF AMP
DEEM
VIF AMP
IF AGC
RF AGC

3.5 2.8 2.6 2.2 2.8 2.8 3.0 0 4.2 1.8

C0701 50V1
C0703 50V1
R0705 3900:E75VEB 2700:E75VEG
C0704 0.068
R0738 0
R0708 22K
C0709 0.01
R0707 39K
VR0701 10KB
R0703 1K
C0705 0.1
C0710 0.01

R0742 470
R0743 82
1.8
Q0702 2SB0709A0L (AMP)
1.1
R0741 220
R0704 1M
R0719 4700
K0709 0
X0704 VLF1495:E75VEB VLF1493:E75VEG
C0730 22P:E75VEB 68P:E75VEG
L0701 27u
E75VEB C0728 56P
X0701 J0B4155A0003:E75VEB J0B4045A0002:E75VEG
L0703 3.3u
C0711 16V22
R0715 22K

NOTE:THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

DMR-E75VEB/EG
VIF Decoder(A)
Schematic Diagram (For DVD)

VIDEO SIGNAL PATH
AUDIO SIGNAL PATH

C0714 1
C0713 6V100
R0729 10K
E75VEB R0701 0
R0725 100
C0712 0.1
E75VEB R0728 0
E75VEG R0730 10K
R0711 51
C0707 50V 0.47
C0732 100P
C0725 12P:E75VEB 3P:E75VEG
R0702 100K
C0721 33P:E75VEB 68P:E75VEG
R0740 470
C0706 0.033
R0726 3300
C0727 39P
C0702 1K
C0724 0.01
R0747 270
R0748 270

IC0701
C1AB00001924

1	2	3	4	5	6	7	8	9	10	11	12
0.3	2.0	2.8	5.0 (5V)	1.1	1.1	4.6	3.1	0	5.0	1.3	2.3

AGC
EQ AMP
FLL
AFT
SIF AMP
APC
VCO
FM DET
AMP SW
1ST SIF DET
TRAP
VIDEO DET
AMP
DEEM
AGC
1ST SIF AMP
VIF AMP
IF AGC
RF AGC

24	23	22	21	20	19	18	17	16	15	14	13
	3.5	2.8	2.6	2.2		2.8	2.8	3.0	0	4.2	1.8

C0701 50V1
C0703 50V1
R0705 3900:E75VEB 2700:E75VEG
C0704 0.068
R0738 0
R0708 22K
C0709 0.01
R0707 39K
VR0701 10KB
R0703 1K
C0705 0.1
C0710 0.01

PK0701
TO MAIN P.C.B. (Hi-Fi Audio SECTION)

DU7401-19		1
DU7401-20		2
DU7401-21		3
DU7401-22	SIF OUT	4
DU7401-23	AFC S-CURVE	5
DU7401-24	TUNER VIDEO	6
DU7401-25	REG 5V	7
DU7401-26		8
DU7401-27	GND	9

R0742 470
R0743 82
1.8
Q0702 2SB0709A0L (AMP)
1.1
R0741 220

K0709 0
X0704 VLF1495:E75VEB VLF1493:E75VEG
C0730 22P:E75VEB 68P:E75VEG
L0701 27u
E75VEB C0728 56P
X0701 J0B4155A0003:E75VEB J0B4045A0002:E75VEG
L0703 3.3u

PP0701
(TO TUNER UNIT)

4MHz	1
AGC	2
IF	3
GND	4

R0704 1M
R0719 4700
C0711 16V22
R0715 22K

NOTE:THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

DMR-E75VEB/EG
VIF Decoder(B)
Schematic Diagram (For VHS)

F E D C B A
1 2 3 4 5 6 7 8 9

IC23001
(VIDEO I/O PROCESSOR)

FROM DIGITAL P.C.B.

P9001 P39702 18 → P31902 P6002 8 → C OUT DM → DVD C IN (61) → BIAS → 6M LPF → 6dB 75 → C75 OUT (30)

P9001 P39702 22 → P31902 P6002 10 → Y OUT DM → DVD Y IN (59) → CLAMP → 6M LPF → DRV MIX → 6dB 75 → Y/C MIX (28)

Q23001 BUFFER

P9001 P39702 26 → P31902 P6002 12 → G PYOUT DM → DVD G/Py IN (60) → SW1 → BIAS / CLAMP

SW1 → 6M LPF / 12M LPF → SW2 → Py/G SW → 6dB 75 → Py/G OUT (57) → G OUT

V75 SAG (29) · Y75 OUT (26) · Y75 SAG (27)

P9001 P39702 30 → P31902 P6002 13 → B PBOUT DM → DVD B/Pb IN (61) → BIAS → 6M LPF → Pb/B SW → 6dB 75 → Pb/B OUT (33) → B OUT

Pb/B SAG (32)

P9001 P39702 34 → P31902 P6002 14 → R PROUT DM → DVD R/Pr IN (63) → BIAS → 6M LPF → Pr/R/C SW → 6dB 75 → Pr/R/C OUT (35) → R OUT

Pr/R/C SAG (34)

AV2 R/C IN (45) · AV2 G IN (49) · AV2 B IN (53)

TU7402
U/V TUNER PACK
DVD
TUNER VIDEO OUT (24)

Q7403 BUFFER → DVD TU VIDEO IN → DVD TUNER (3) → CLAMP

VIDEO3 IN (19) → CLAMP

JK4801
FRONT A/V JACK
AV3
VIDEO IN (7)

PP4801 PS33001 9 4 → AV3 VIDEO IN (12) → CLAMP

V-SW A · SW A · MIX A · Y/V OUT A (25) → 0dB → A2 / A1

Q6002, Q6003 AMP

BIAS (1) · CLAMP (10) · CLAMP (7)

JK4802
AV3
S-VIDEO IN

C
Y

PP4801 PS33001 4 9 → AV3 C IN2 → C2 IN (17) → BIAS

PP4801 PS33001 2 11 → AV3 Y IN2 → Y2 IN (14) → CLAMP

Y-SW A · MIX A · C-SW A · C OUT (38) → 0dB → A3

V-SW B · SW B · Y/V OUT B (71) → 0dB → A4

Y-SW B

SDA (57) · SCL (58) → IIC-BUS CONTROL

IIC DATA IC37501- (29)
IIC CLOCK IC37501- (28)

TO/FROM POWER & DIGITAL I/F P.C.B. (DIGITAL TIMER CPU)

A5 · A6

IC43701
(SELECTOR SWITCH)

IC43702
(VIDEO I/O BUFFER)

RGB IC37501- (50)

P31903 P6003 14 → P4501 PS43001 10 → 4 / 8 / 1 RGB

P31903 P6003 9 → P4501 PS43001 7 → 12M LPF (8) → 6dB → 75Ω DR → (22) / (21)

P31902 P6003 15 → P4501 PS43001 6 → Q43702 AMP → 6M LPF (12) → 6dB → 75Ω DR → (13)

Q43701 AMP → 6M LPF (14) → 6dB → 75Ω DR → (17)

TU7401
U/V TUNER PACK
VHS
TUNER VIDEO OUT (24)

P4503 PS43003 6 → DVD TUNER VIDEO

P4503 PS43003 4 → VHS TUNER VIDEO

IC6001
(SYSTEM CONTROL)

CV OUT (52) · CV IN (50)

Q3001 BUFFER ← A7 ← A8 / A9 / A10

IC47403
(DVD/VHS SELECTOR SW.)

VHS TUNER VIDEO → VHS (4)
DVD TUNER VIDEO → DVD (6)
(1) → PS43002 P4502 15 → (2)

VHS TUN (4) IC6001- (62) ← FROM (SYSTEM CONTROL SECTION)

IC3903
(SCART BUFFER AND SWITCH)

6dB AMP · LPF · 75 DR

OSW1 · OSW2 · OSW3 · MUTE

CLAMP (28) · CLAMP (7) · CLAMP (23)

IIC-BUS CONTROL (21) (22)

Q3901 BUFFER

Q3905 BUFFER

IC3904
(DVD/VTR SELECTOR SW.)

DVD (4) · VHS OSD VIDEO · VHS (6) → (2) / (1)

DVD OUT (4) IC6001- (1) → FROM (SYSTEM CONTROL SECTION)

JK23902
S-VHS OUT JACK
DVD
Y75 OUT (3)
C75 OUT (4)
S-VIDEO OUT

AV1
JK3901
(TV)
R/C OUT (15)
B OUT (7)
G OUT (11)
VIDEO IN (20)
VIDEO/Y OUT (19)

AV2
JK3901
(DECODER/EXT)
R/C OUT (15)
G OUT (11)
B OUT (7)
VIDEO IN (19)
VIDEO/Y OUT (20)

E75VEB
TU7403
RF CONVERTER
VIDEO IN (7)

JK24302
A/V OUT JACK
VIDEO OUT (8) VHS/DVD COMMON OUT
VIDEO OUT (4) DVD

JK3903
COMPONENT VIDEO OUT
PS43001 P4501 14 → Y (4)
PS43001 P4501 13 → PB (3)
PS43001 P4501 12 → PR (2)

DMR-E75VEB/EG
Video Block Diagram

:DVD VIDEO EE SIGNAL :REC SIGNAL :PB SIGNAL

IC3001
(AUDIO/VIDEO SIGNAL PROCESSOR)

IC3502
(SUB EMPHASIS)

IC3501
(SELECTOR SWITCH)

TO DIGITAL P.C.B.

TO/FROM DD CYLINDER VIDEO HEAD

TO/FROM DD CYLINDER VIDEO HEAD

FROM SYSTEM CONTROL

TO SYSTEM CONTROL

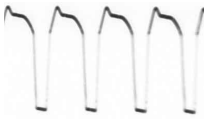
EXTERNAL PB LUMINANCE SIGNAL INPUT LINE (NOT USED IN THESE MODELS)

DMR-E75VEB/EG
Video Block Diagram

DMR-E75VEB/EG
Video Block Diagram



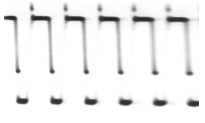
T11150-3 STOP
40Vp-p (10µsec.div.)



T11150-4 STOP
500Vp-p (5µsec.div.)



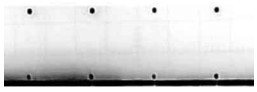
T11150-6 STOP
15Vp-p (5msec.div.)



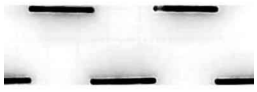
T11150-7 STOP
50Vp-p (5µsec.div)



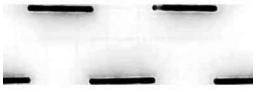
T11150-8,9 STOP
40Vp-p (5µsec.div)



IC6001-13 PAUSE
5.0Vp-p (10msec.div.)



IC6001-18 REC
5.0Vp-p (10msec.div.)



IC6001-19 REC
5.0Vp-p (10msec.div.)



IC6001-48 REC
0.5Vp-p (10msec.div.)



IC6001-52 REC
2.1Vp-p (20µsec.div.)



IC6001-68,69 REC
5.0Vp-p (10msec.div.)



IC6001-70 REC
5.0Vp-p (10msec.div.)



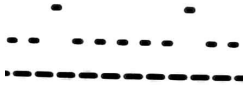
IC6001-71 REC
5.0Vp-p (10msec.div.)



IC6001-72 REC
5.0Vp-p (10msec.div.)



IC6001-79,80 FF/REW
5.0Vp-p (1msec.div.)



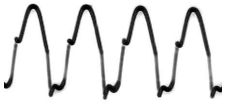
IC6001-90 REC
5.0Vp-p (10msec.div.)



IC6001-94,95 REC
6.0Vp-p (10msec.div.)



IC6001-97 PLAY
4.5Vp-p (10msec.div.)



IC2501-2,4 REC
12Vp-p (5msec.div.)



IC3001-6 REC/PLAY
0.9Vp-p (0.5msec.div.)



IC3001-15,17,19 REC
1.1Vp-p (20µsec.div.)



IC3001-45,46 PLAY
0.5Vp-p (20µsec.div.)



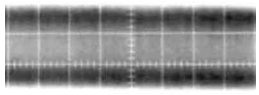
IC3001-73 REC/PLAY
5.0Vp-p (5msec.div.)



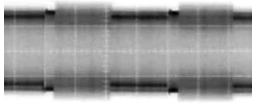
IC3001-74 REC/PLAY
5.0Vp-p (5msec.div.)



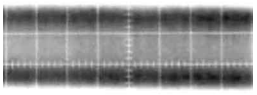
IC3001-80 REC/PLAY
0.6Vp-p (10msec.div.)



IC3001-85 PLAY
1.5Vp-p (20µsec.div.)



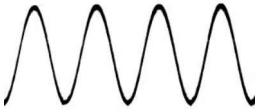
IC3001-86 REC
1.5Vp-p (5msec.div.)



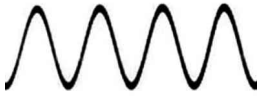
IC3001-87 PLAY
1.5Vp-p (20µsec.div.)



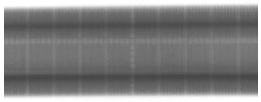
IC3001-96 PLAY
5.0Vp-p (5msec.div.)



IC3001-98 REC
2.4Vp-p (1msec.div.)



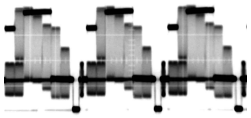
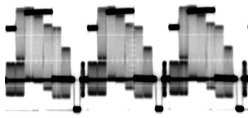
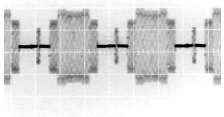
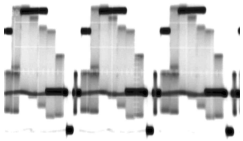
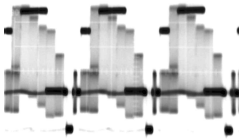
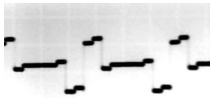
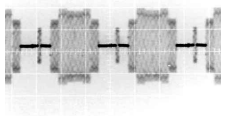
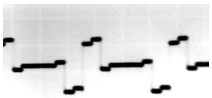
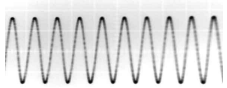
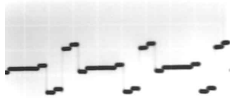
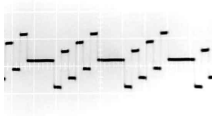
IC4501-9,14 REC
100mVp-p (1msec.div.)



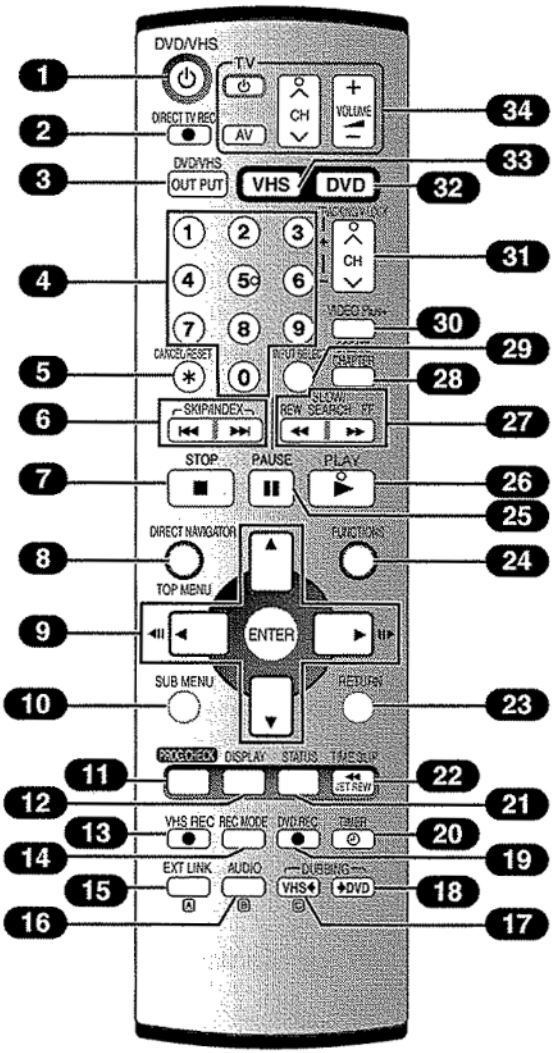
IC4501-21(TW4501) REC
1.5Vp-p (20µsec.div.)



IC4501-53,57 REC/PLAY
1.9Vp-p (0.2msec.div.)

 IC3903-25 REC/PLAY 2.1Vp-p (20μsec.div.)	 IC3903-26 REC/PLAY 2.1Vp-p (20μsec.div.)	 P39702-1 REC 0.7Vp-p (20μsec.div.)	 P39702-2 REC/PLAY 1.0Vp-p (20μsec.div)	 P39702-5 REC 1.0Vp-p (20 μsec.div.)
 P39702-6 REC 1.0Vp-p (20μsec.div)	 P39702-9 REC 1.2Vp-p (20μsec.div.)	 P39702-13 REC 1.2Vp-p (20μsec.div.)	 P39702-18 REC/PLAY 0.8Vp-p (20μsec.div)	 P39702-22 REC/PLAY 1.0Vp-p (20 μsec.div.)
 P39702-26 REC/PLAY 1.0Vp-p (20μsec.div.)	 P39702-30 REC 2.0Vp-p (20μsec.div.)	 P39702-34 REC/PLAY 0.8Vp-p (20μsec.div.)	 P39702-48,50 REC/PLAY 1.5Vp-p (1msec.div.)	 P4501-12 REC/PLAY 1.2Vp-p (20μsec.div.)
 P4501-13 REC/PLAY 1.2Vp-p (20μsec.div.)	 P4501-14 REC/PLAY 2.0Vp-p (20μsec.div.)			

■ Remote control



■ [VHS] and [DVD] button

[DVD]

- Switch the remote control mode to DVD. Make sure you press before doing DVD operations. When in DVD mode, the [DVD] button lights each time you press one of the DVD operation buttons.

[VHS]

- Switch the remote control mode to VHS. Make sure you press before doing VHS operations. When in VHS mode, the [VHS] button lights each time you press one of the buttons on the remote control.

1. **DVD/VHS on/off button (⏻, DVD/VHS)**
2. **Direct TV recording button (●, DIRECT TV REC)**
3. **DVD/VHS output button (OUTPUT, DVD/VHS)**
4. **Numeric buttons (0–9)**
5. **Cancel/Reset and asterisk button (✳, CANCEL/RESET)**
6. **Skip/Index buttons (⏮, ⏭, SKIP/INDEX)**
7. **Stop button (■, STOP)**
8. **Top menu and Direct Navigator button (TOP MENU, DIRECT NAVIGATOR)**
9. **Cursor buttons (▲, ▼, ◀, ▶)/Frame buttons (◀II, II▶)/ Enter button (ENTER)**
10. **Sub menu button (SUB MENU)**
11. **Manual programming and check button (PROG/CHECK)**
12. **Display button (DISPLAY)**
13. **VHS recording button (●, VHS REC)**

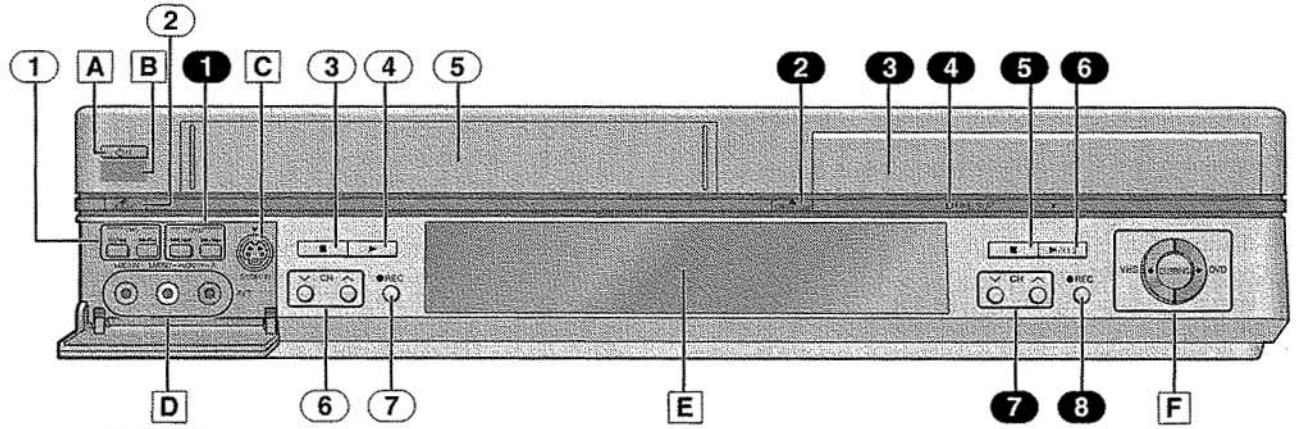
When you press this button in the DVD remote control mode, it is automatically switched to the VHS remote control mode.

14. **Recording mode button (REC MODE)**
15. **External link button (EXT LINK)**
16. **Audio button (AUDIO)**
17. **VHS dubbing button (VHS ⏵, DUBBING)**
18. **DVD dubbing button (⏵ DVD, DUBBING)**
19. **DVD recording button (●, DVD REC)**

When you press this button in the VHS remote control mode, it is automatically switched to the DVD remote control mode.

20. **Timer recording button (◴, TIMER)**
21. **Status display button (STATUS)**
22. **Time slip button (TIME SLIP)**
    Jet rewind button (◀◀, JET REW)
23. **Return button (RETURN)**
24. **Functions (FUNCTIONS)**
25. **Pause button (II, PAUSE)**
26. **Play button (▶, PLAY)**
27. **Slow/Search, rewind, forward buttons (◀◀, ▶▶, SLOW/SEARCH, REW, FF)**
28. **Create Chapter button (CREATE CHAPTER)**
29. **Input select button (INPUT SELECT)**
30. **VIDEO Plus+ button (VIDEO Plus+)**
31. **TRACKING/V-LOCK /Channel up/down buttons (CH, ∧, ∨)**
32. **DVD select button (DVD)**
33. **VHS select button (VHS)**
34. **TV operation buttons**
    TV on/off button (TV, ⏻)
    TV input mode selecter (AV)
    Channel up/down buttons (CH, ∧, ∨)
    Volume up/down buttons (VOLUME, +, −)

■ Main unit



Common to DVD/VHS

- A DVD/VHS on/off button (⏻/I)
- B Remote control signal sensor
- C S-Video input terminal (S-VIDEO IN)
- D AV3 input terminals (AV3)
- E Display
- F One Touch Dubbing operation button
  - From VHS to DVD
  - From DVD to VHS

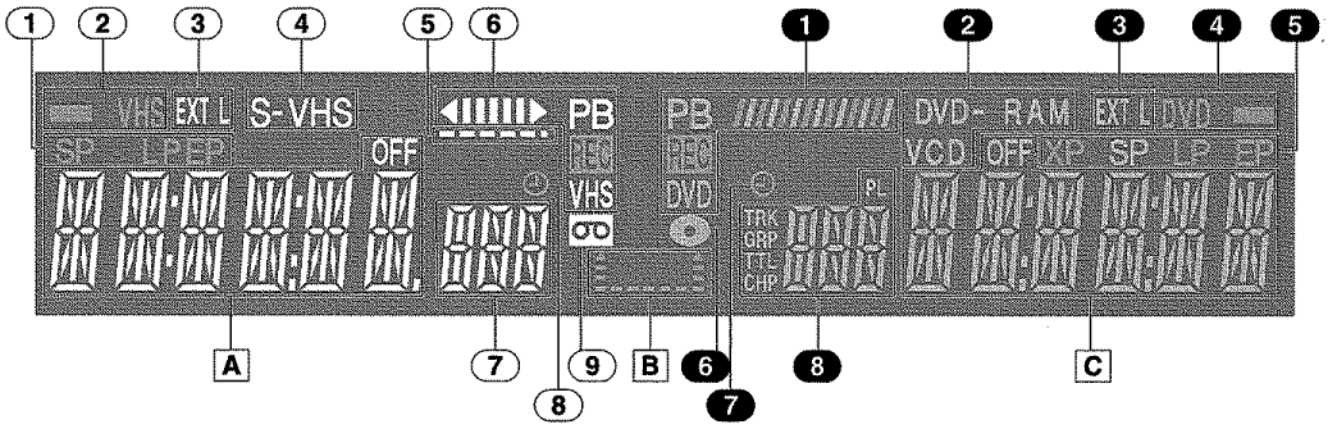
VHS

1. VHS Search buttons (⏪/◀◀, ▶▶/⏩)
2. Cassette eject button (▲, EJECT)
3. VHS Stop button (■)
4. VHS Play button (▶)
5. Cassette compartment
6. VHS Channel up/down buttons (CH, ∧, ∨)
7. VHS Recording button (●, REC)

DVD

1. DVD Skip/Slow/Search buttons (⏮/◀◀, ▶▶/⏭)
2. Disc tray open/close button (▲, OPEN/CLOSE)
3. Disc tray
4. Time slip indicator (TIME SLIP)
   - While both recording and play are activated, this indicator lights up.
5. DVD Stop button (■)
6. DVD Play/×1.3 button (▶/×1.3)
7. DVD Channel up/down buttons (CH, ∧, ∨)
8. DVD Recording button (●, REC)

■ The unit's display



Common to DVD/VHS

Ⓐ **Main display**
- Current time
- VHS recording and play counter
- Miscellaneous messages, etc.

Ⓑ **Dubbing direction indicator**

Ⓒ **Main display**
- Current time
- Disc play counter
- Miscellaneous messages, etc.

VHS

① **Tape speed indicator**
- SP: When recording or playing in the Normal mode.
- LP: When playing in the Long play mode.
- EP: When recording or playing in the Extra long play mode.

② **VHS output indicator**

③ **External link indicator**

On:

When a linked timer recording with external device is in standby mode, or being performed.

④ **S-VHS dubbing indicator**

When performing S-VHS dubbing.

⑤ **Remaining tape time indicator**

⑥ **Tape operation status**
- The operation status of this unit, such as playback fast forward, etc.

⑦ **Channel indicator**

⑧ **Timer programme display (◴)**

On:

When a programme for timer recording is in standby mode, or being performed.

Flashes:

When there are less than 10 minutes to go before timer recording is programmed, but the unit is not on standby.

⑨ **Tape indicator**

DVD

❶ **Disc operation status**

❷ **Disc type**

❸ **External link indicator**

On:

When a linked timer recording with external device is in standby mode, or being performed.

❹ **DVD output indicator**

❺ **Recording mode**
- XP SP LP EP (all on): FR mode

❻ **Disc indicator**

❼ **Timer programme display (◴)**

On:

When a programme for timer recording is in standby mode, or being performed.

Flashes:

When there are less than 10 minutes to go before timer recording is programmed, but the unit is not on standby.

❽ **Channel position indicator**

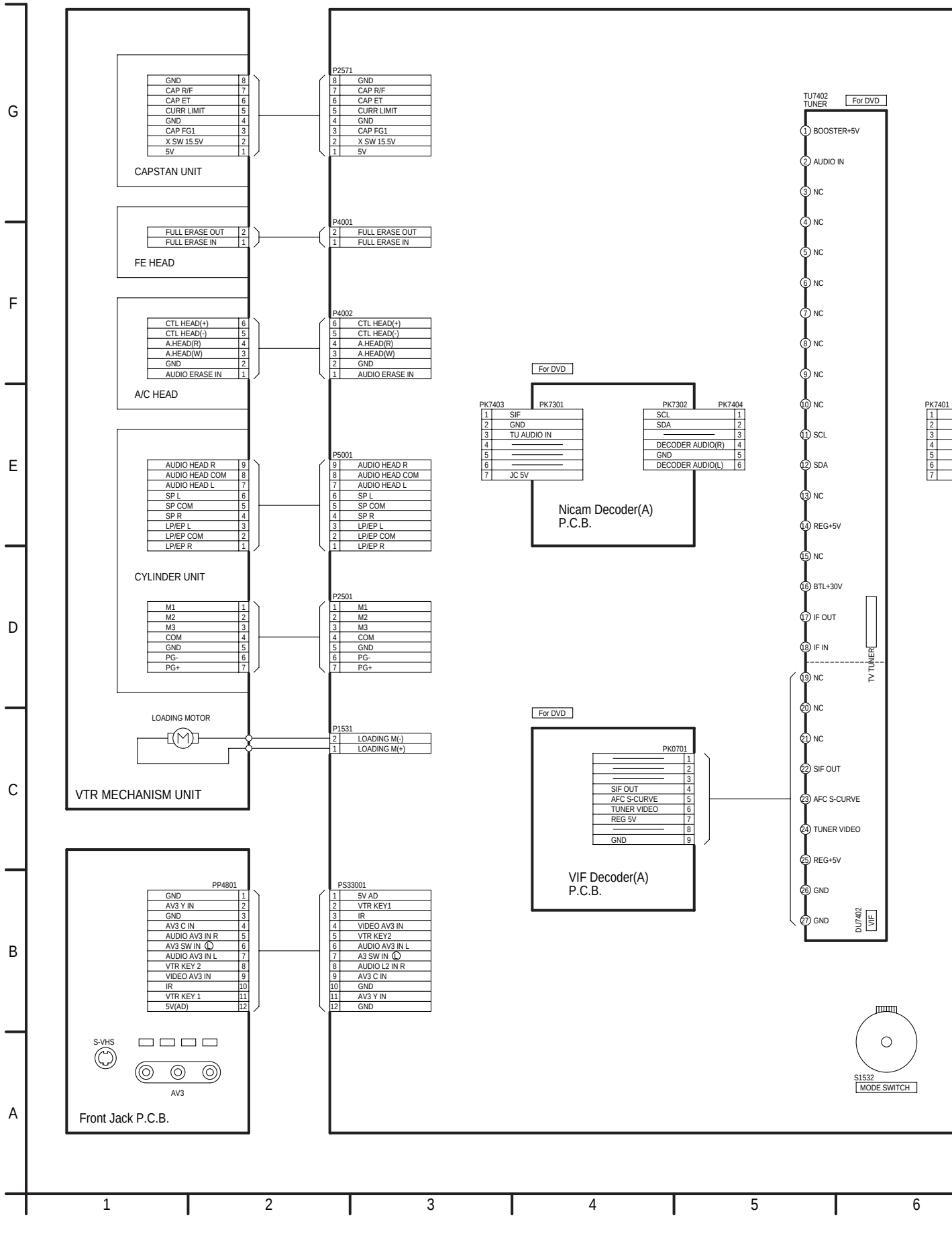
TRK:	track number
GRP:	group number
TTL:	title number
CHP:	chapter number
PL:	play list number

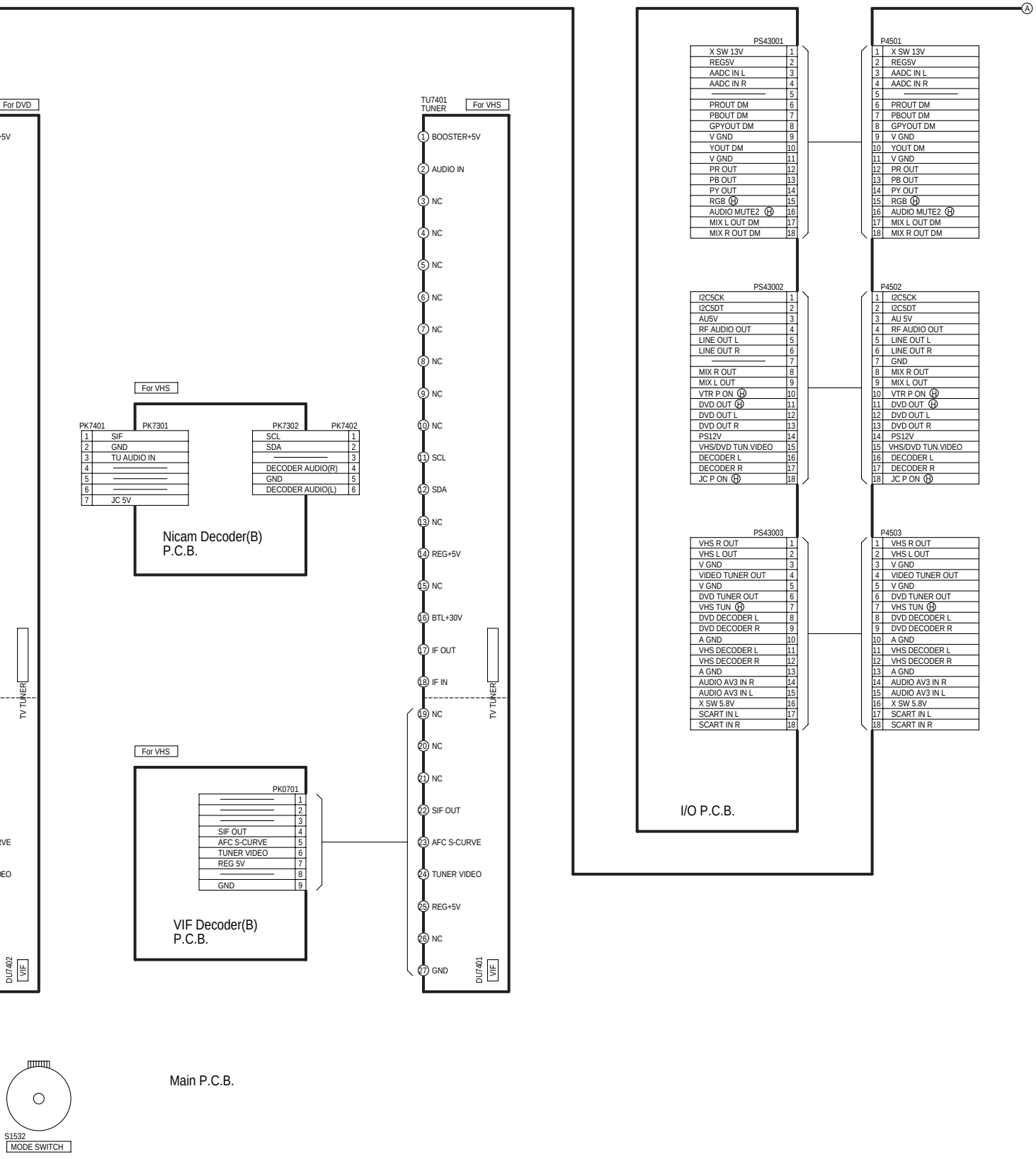
Note
- A half mirror is used for the unit's display so the display may occasionally be difficult to see depending on surrounding conditions.
- If "FL Display" is set to "Automatic", the unit's display will not light up. Also, in addition to the aforementioned conditions, if the power is off and the unit is in timer recording standby mode, only ◴ lights up in the display.

Ref No.	P9001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
REC	2.0	1.2	0	0	1.3	1.3	0	0	1.3	-	0	0	1.3	0	3.4	0	4.8	1.5	5.0	0
PLAY	2.0	1.2	0	0	1.3	1.3	0	0	1.3	-	0	0	1.3	0	3.4	0	4.8	1.5	5.0	0
STOP	2.0	1.2	0	0	1.3	1.3	0	0	1.3	-	0	0	1.3	0	3.4	0	4.8	1.5	5.0	0
Ref No.	P9001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
REC	5.0	1.2	3.4	0	3.4	1.2	5.0	0	5.1	1.0	5.2	0	4.9	1.0	5.0	0	5.0	0.3	5.1	0
PLAY	5.0	1.2	3.4	0	3.4	1.2	5.0	0	5.1	1.0	5.2	0	4.9	1.0	5.0	0	5.0	0.3	5.1	0
STOP	5.0	1.0	3.4	0	3.4	1.0	5.0	0	5.1	1.0	5.2	0	4.9	1.0	5.0	0	5.0	0.3	5.1	0
Ref No.	P9001																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
REC	0.1	3.4	-	0	3.4	0	3.1	2.5	-	2.5	-	0	-	0	-	0	0	2.5	0	0
PLAY	0.1	3.4	-	0	3.4	0	3.1	2.5	-	2.5	-	0	-	0	-	0	0	2.5	0	0
STOP	0.1	3.4	-	0	3.4	0	3.2	2.5	-	2.5	-	0	-	0	-	0	0	2.5	0	0
Ref No.	P9001																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
REC	0	2.5	0	0	4.7	-	0	4.9	5.0	2.4	-	1.7	-	3.4	3.3	3.5	0	1.5	5.0	1.5
PLAY	0	2.5	0	0	4.7	-	0	4.9	5.0	2.4	-	1.7	-	3.4	3.3	3.5	0	1.5	5.0	1.5
STOP	0	2.5	0	0	4.7	-	0	4.9	5.0	2.4	-	1.7	-	3.5	3.3	3.5	0	1.5	5.0	1.5
Ref No.	P9001																			
MODE	81	82	83	84	85	86	87	88												
REC	5.9	1.2	5.0	1.5	5.9	1.2	5.9	1.2												
PLAY	5.9	1.2	5.0	1.5	5.9	1.2	5.9	1.2												
STOP	5.9	1.2	5.0	1.5	5.9	1.2	5.9	1.2												

21 Schematic Diagram

21.1. Interconnection Schematic Diagram



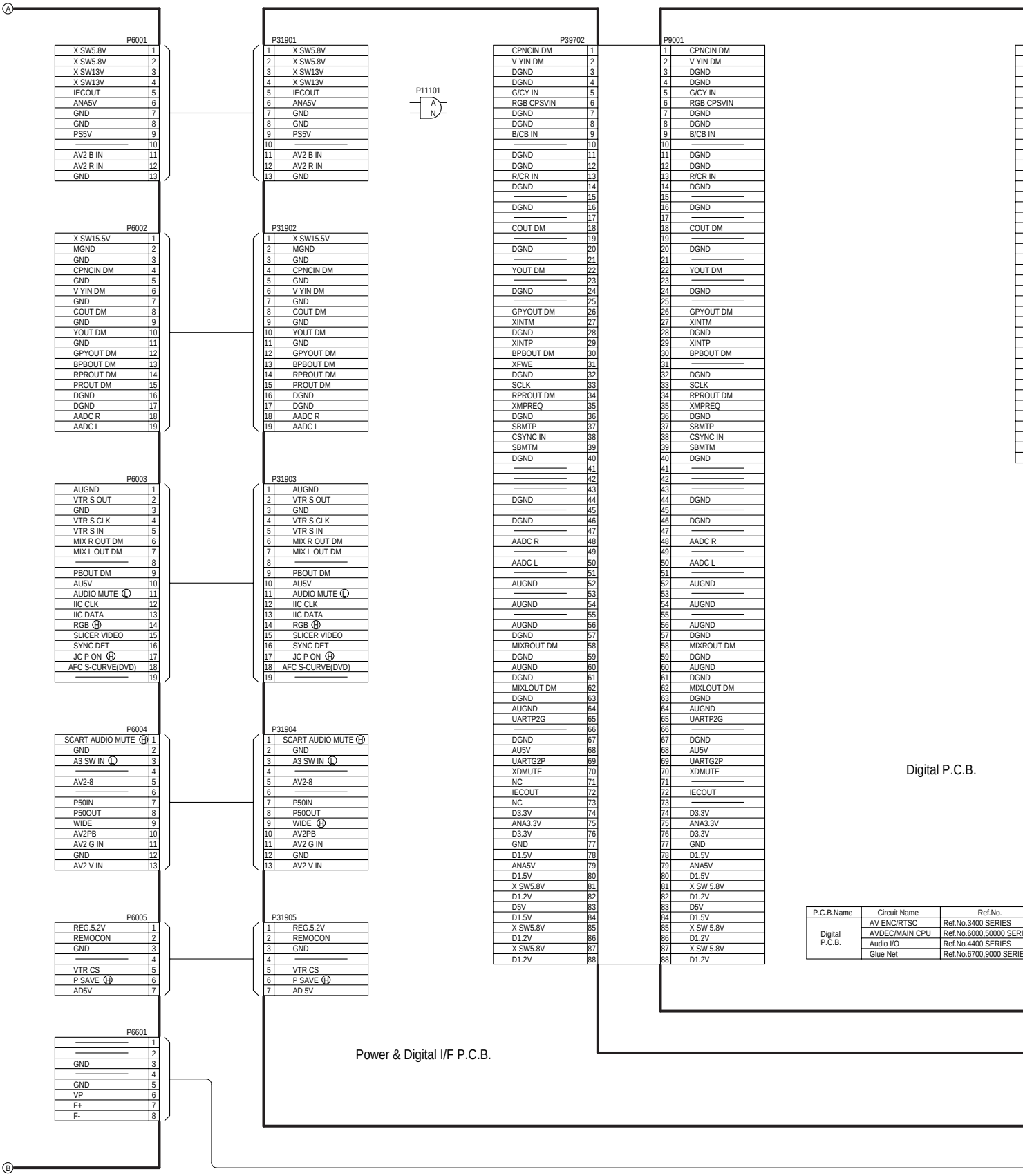


Main P.C.B.

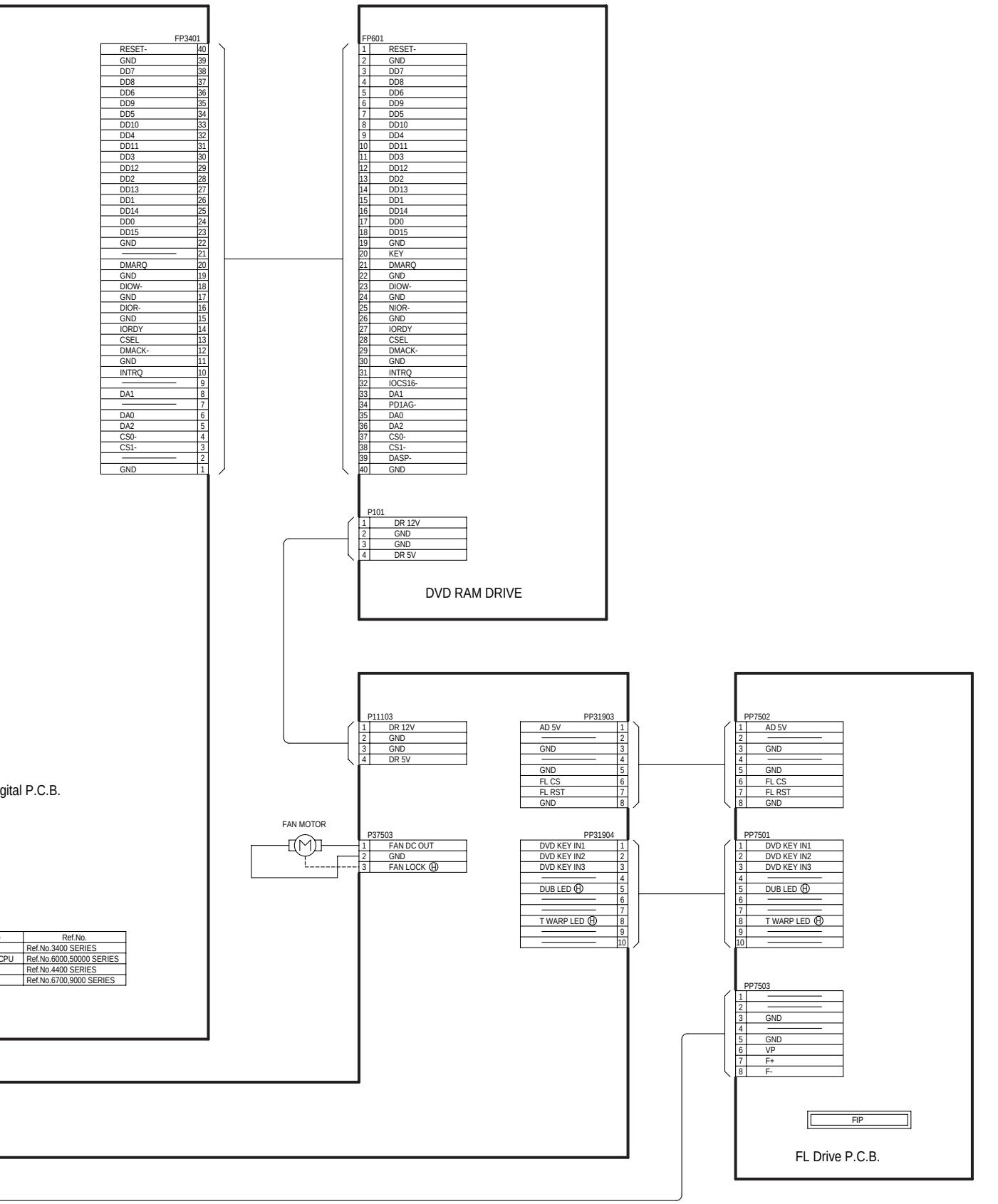
S1532
MODE SWITCH

DMR-E75VEB/EG
Interconnection
Schematic Diagram

6 7 8 9 10 11



DMR-E75VEB/EG
Interconnection
Schematic Diagram



NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.
THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE
SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

B/EG
n
agram

DMR-E75VEB/EG
Interconnection
Schematic Diagram

17 | 18 | 19 | 20 | 21 | 22

21.2. Power Supply Section (Power & Digital I/F P.C.B.(1/2)) Schematic Diagram

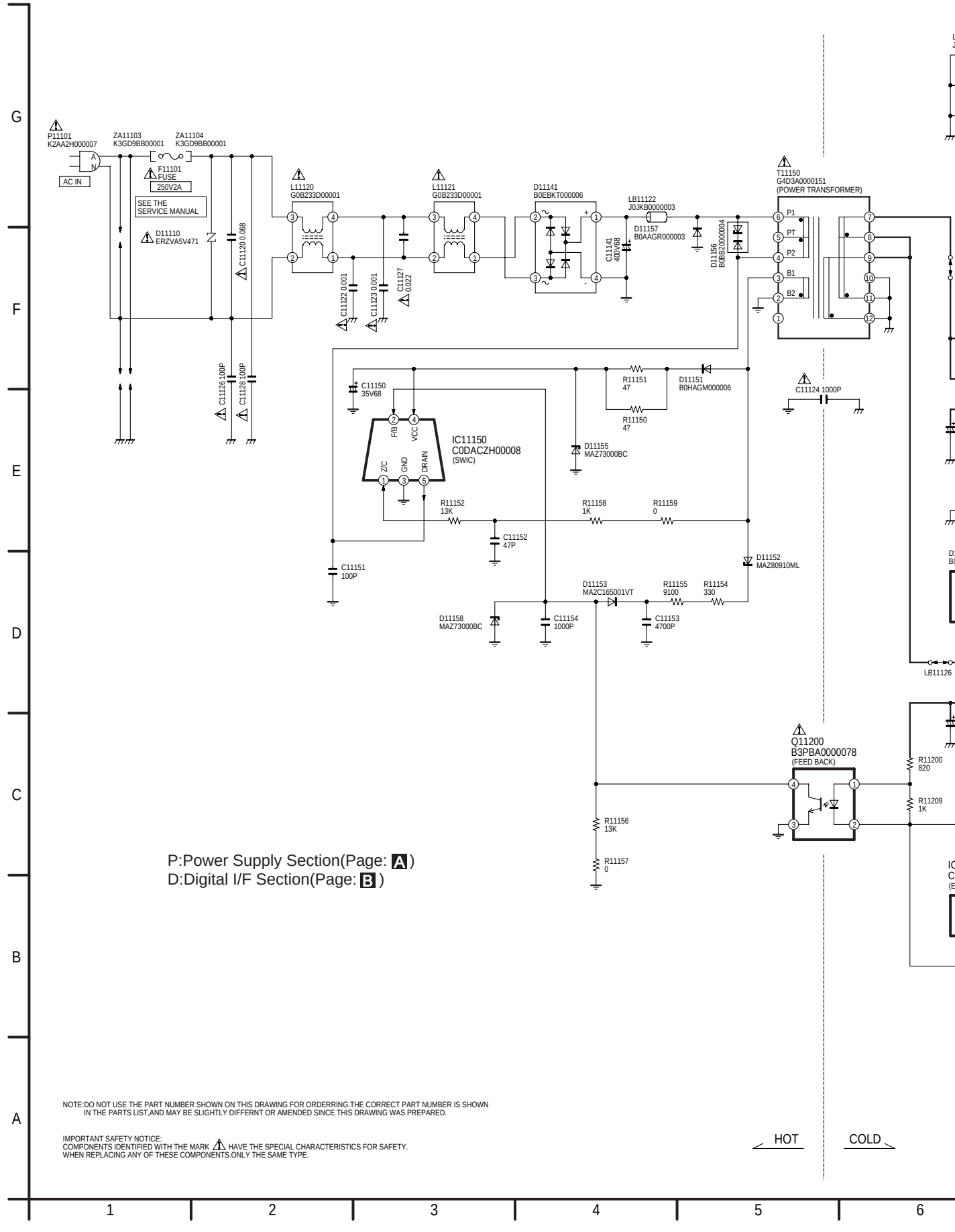
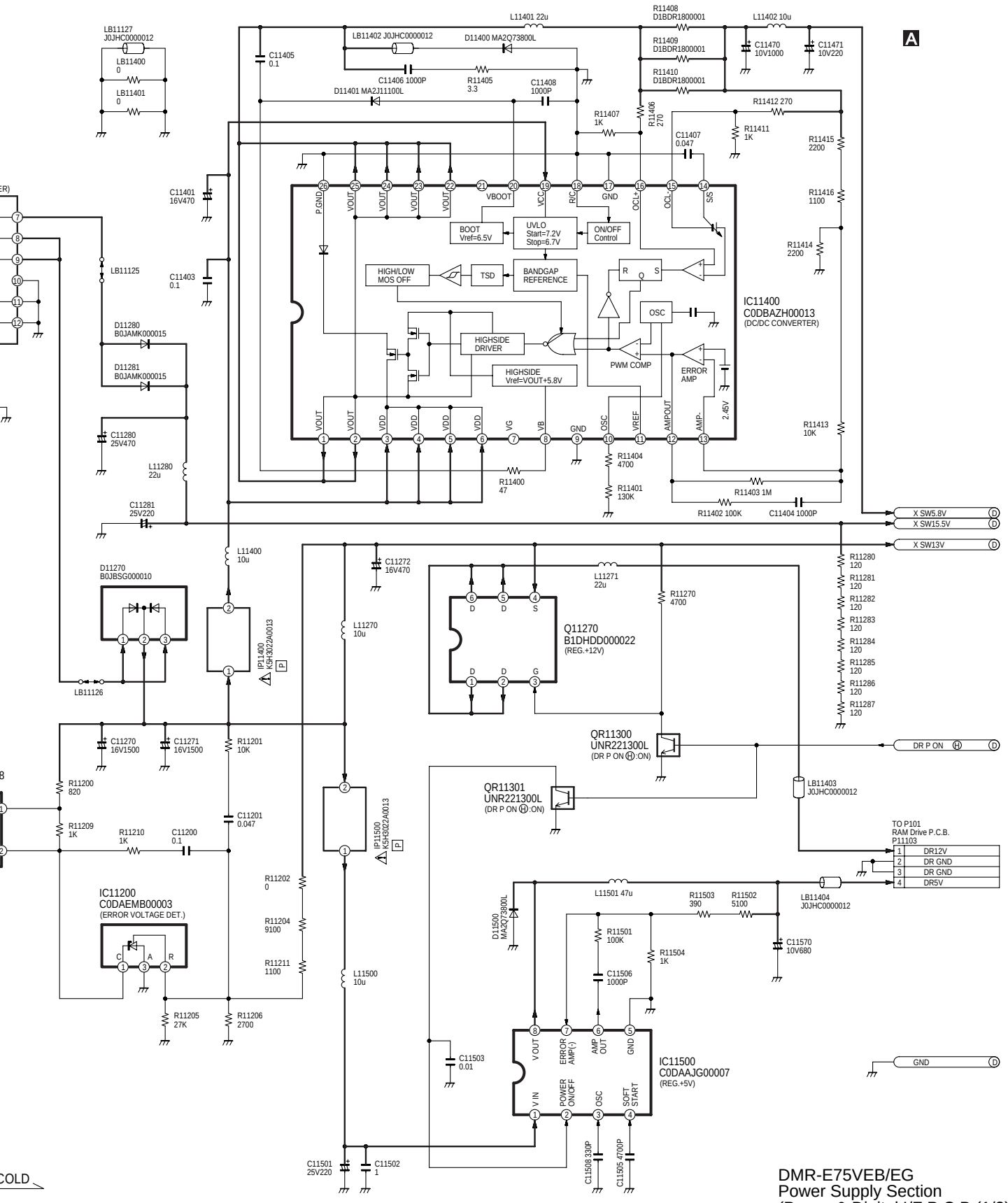


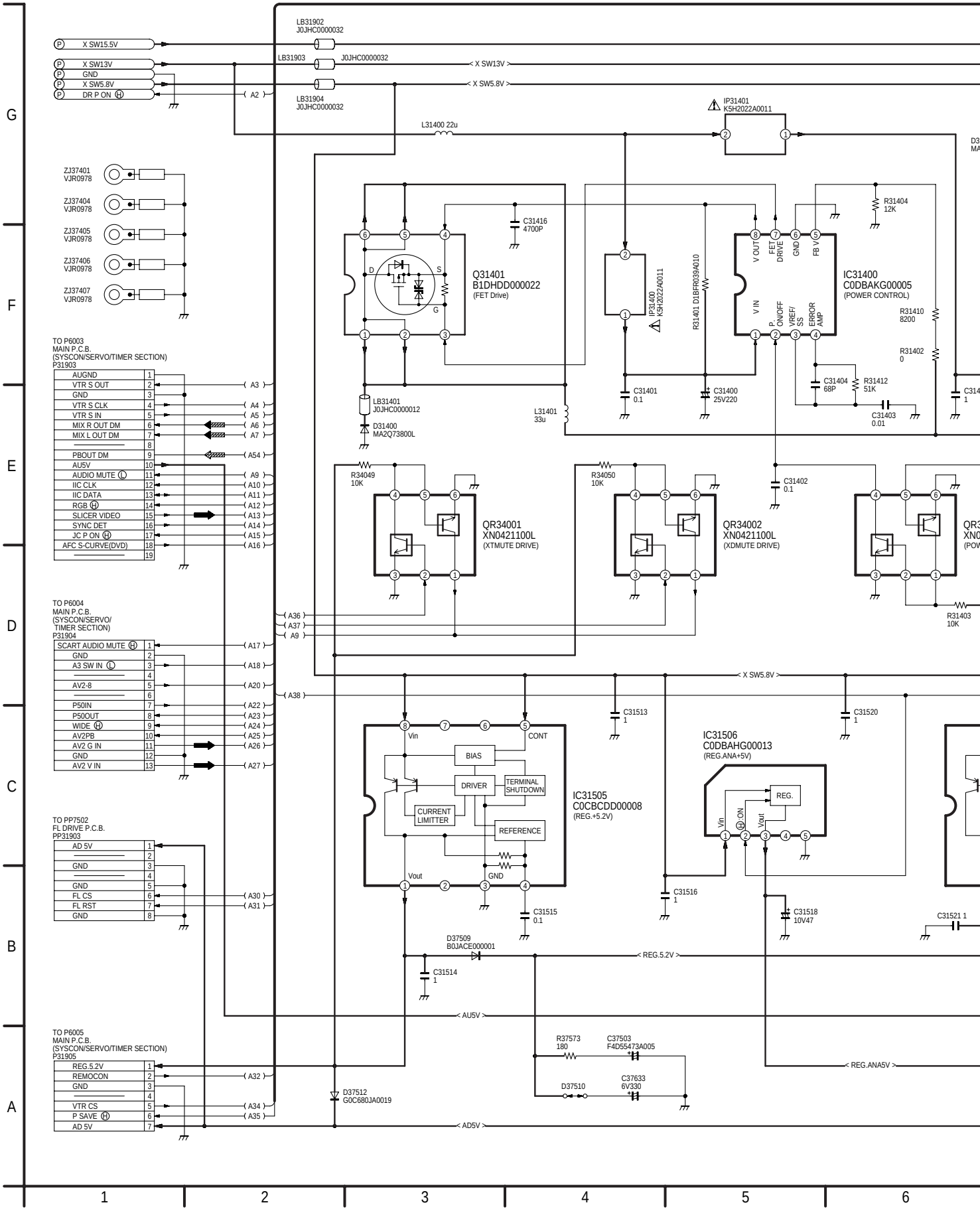
Diagram (P)



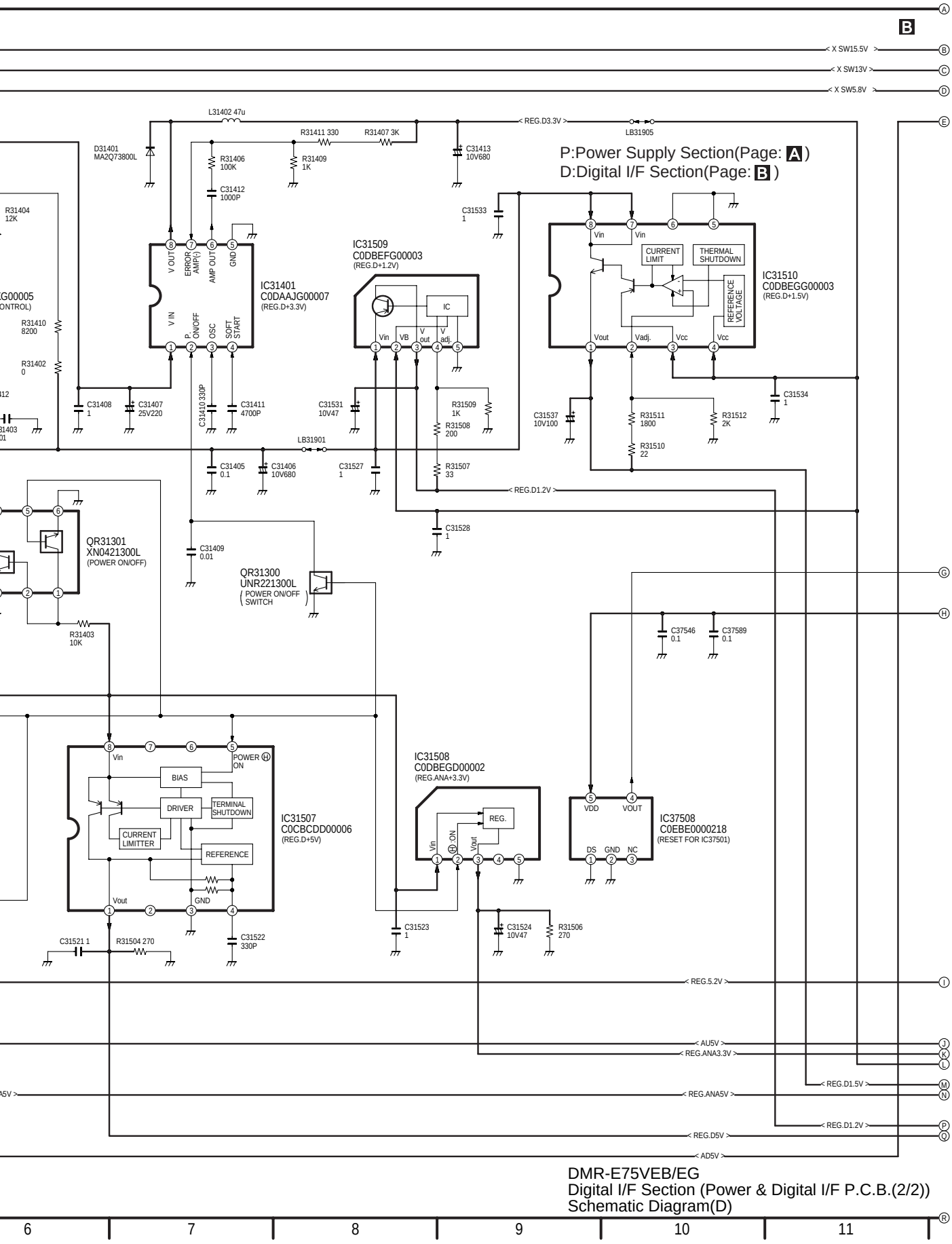
DMR-E75VEB/EG
Power Supply Section
(Power & Digital I/F P.C.B.(1/2))
Schematic Diagram(P)

6 | 7 | 8 | 9 | 10 | 11

21.3. Digital I/F Section (Power & Digital I/F P.C.B.(2/2)) Schematic Diagram (D)

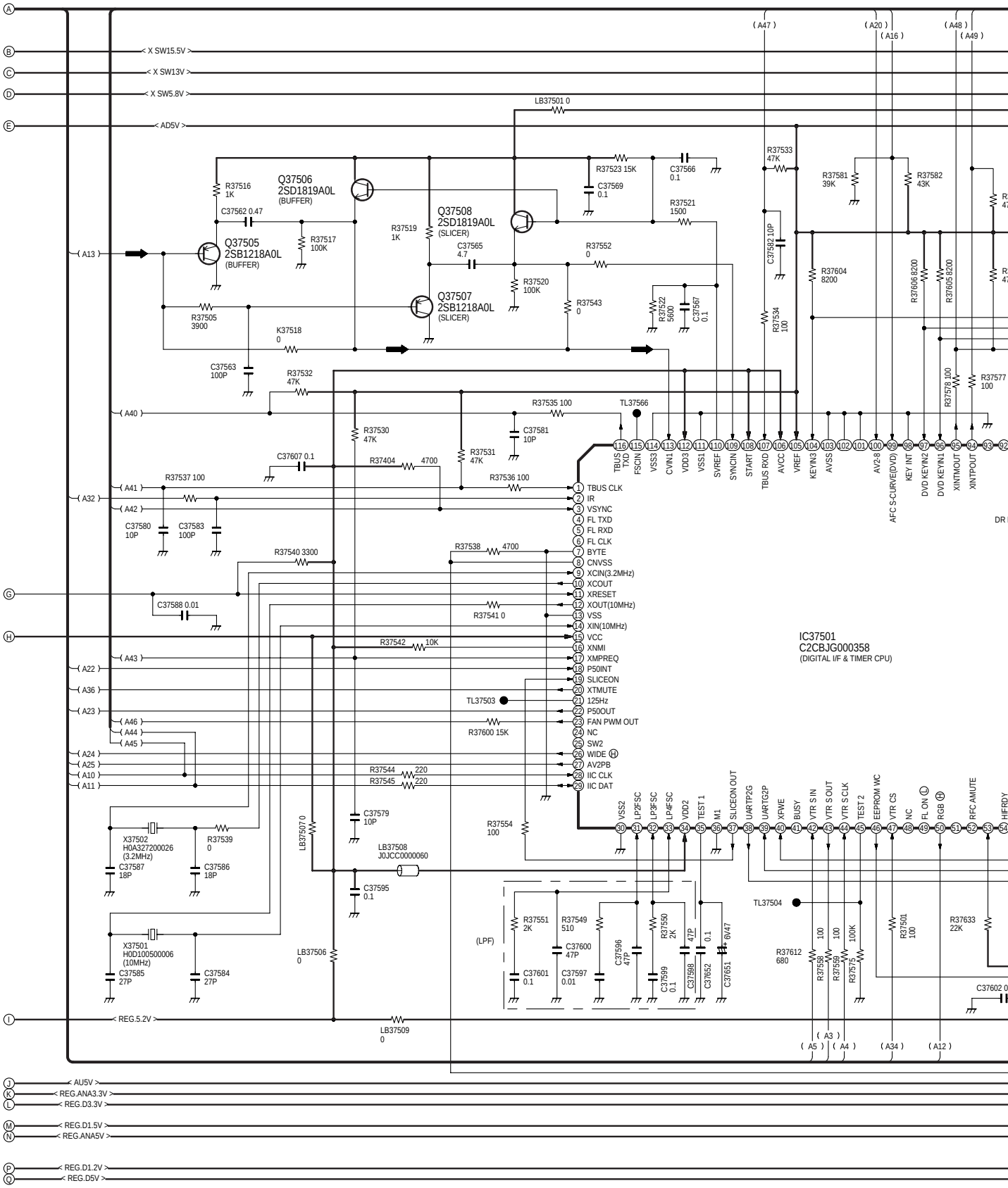


(D)



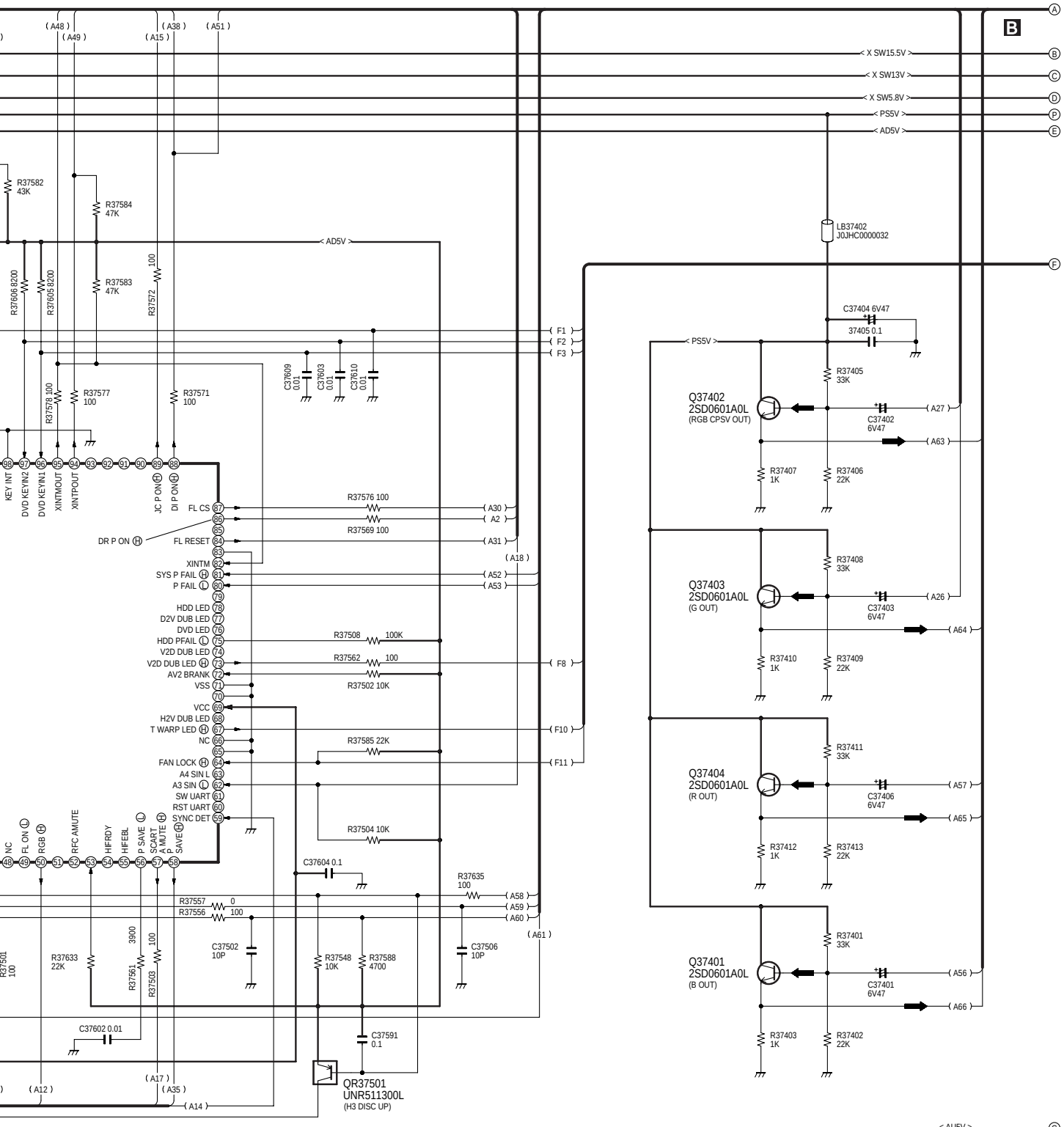
DMR-E75VEB/EG
Digital I/F Section (Power & Digital I/F P.C.B.(2/2))
Schematic Diagram(D)

6 | 7 | 8 | 9 | 10 | 11



DMR-E75VEB/EG
Digital I/F Section
(Power & Digital I/F P.C.B.(2/2))
Schematic Diagram(D)

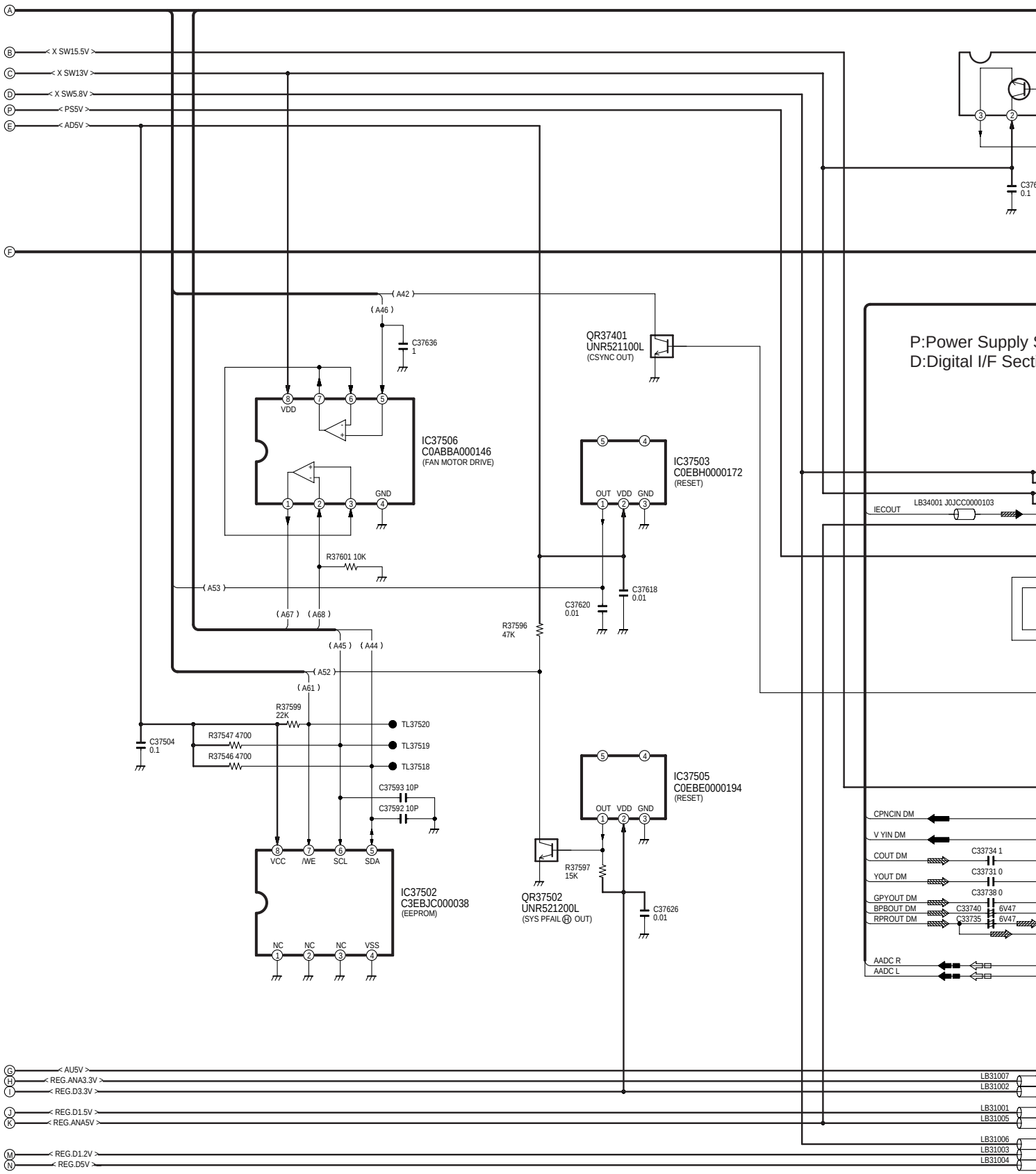
12 | 13 | 14 | 15 | 16 | 17



DMR-E75VEB/EG
Digital I/F Section
(Power & Digital I/F P.C.B.(2/2))
Schematic Diagram(D)

.(2/2))

17 | 18 | 19 | 20 | 23 | 24

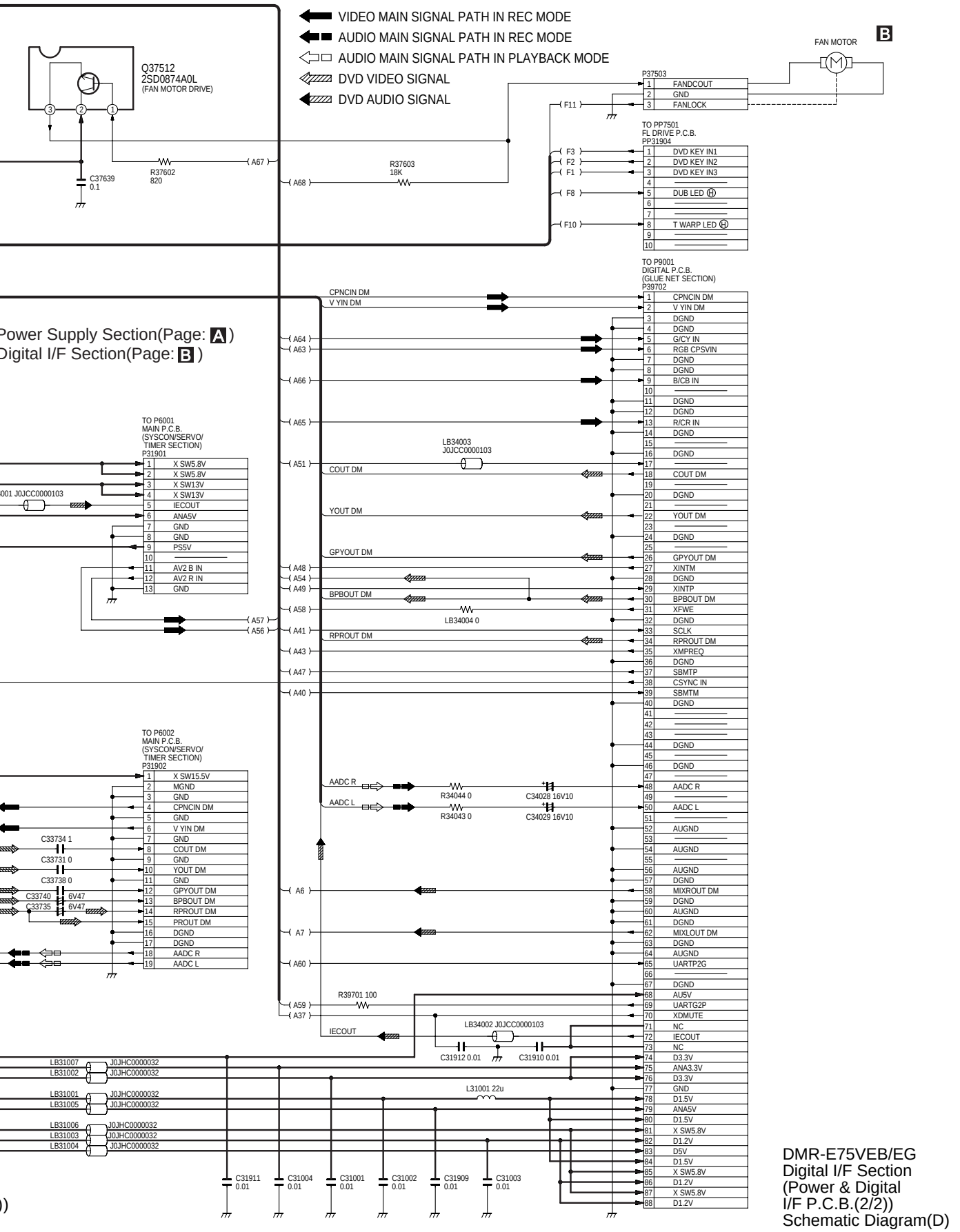


IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS.ONLY THE SAME TYPE.

NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

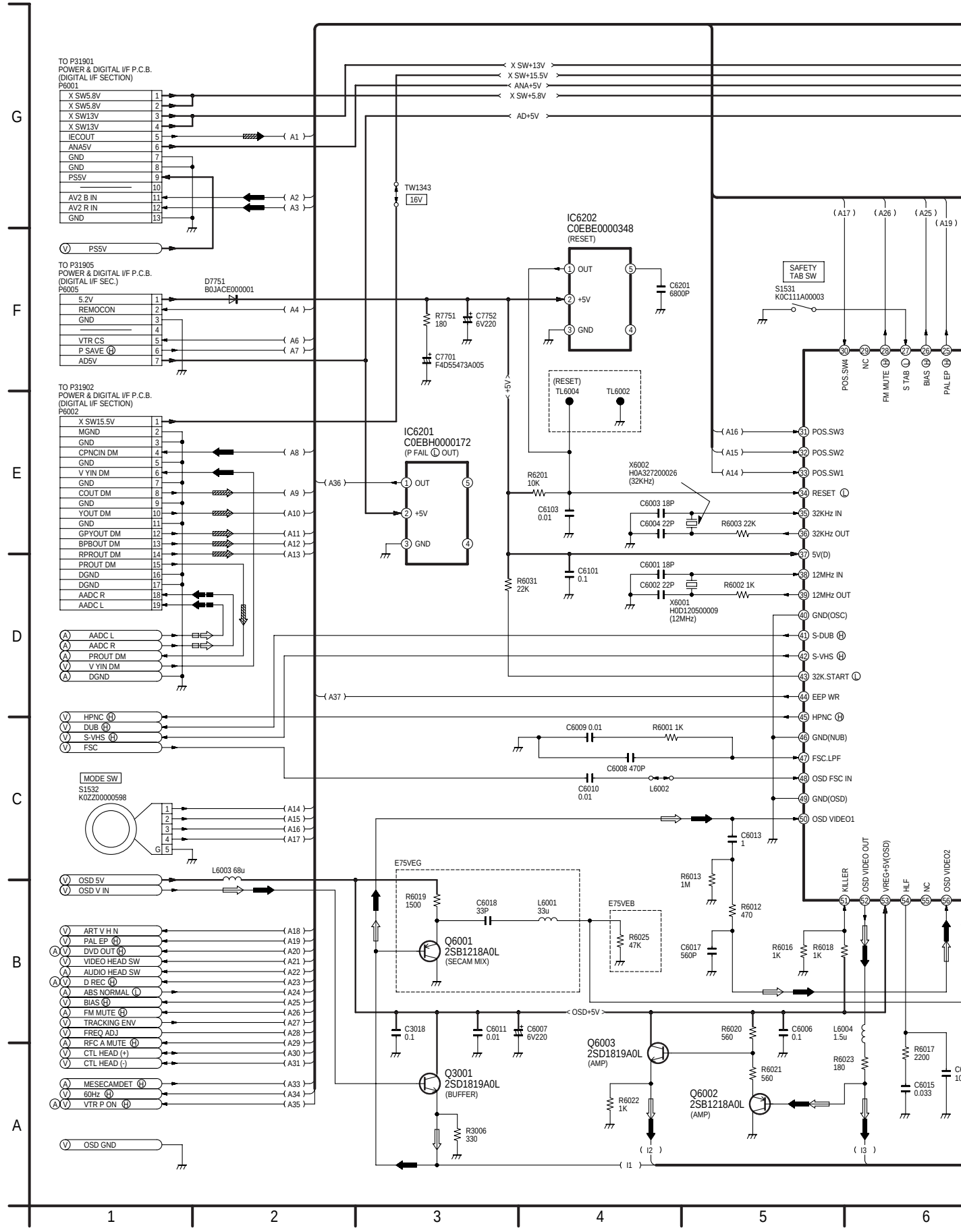
DMR-E75VEB/EG
Digital I/F Section
(Power & Digital I/F P.C.B.(2/2))
Schematic Diagram(D)

25 | 26 | 27 | 28 | 29 | 30

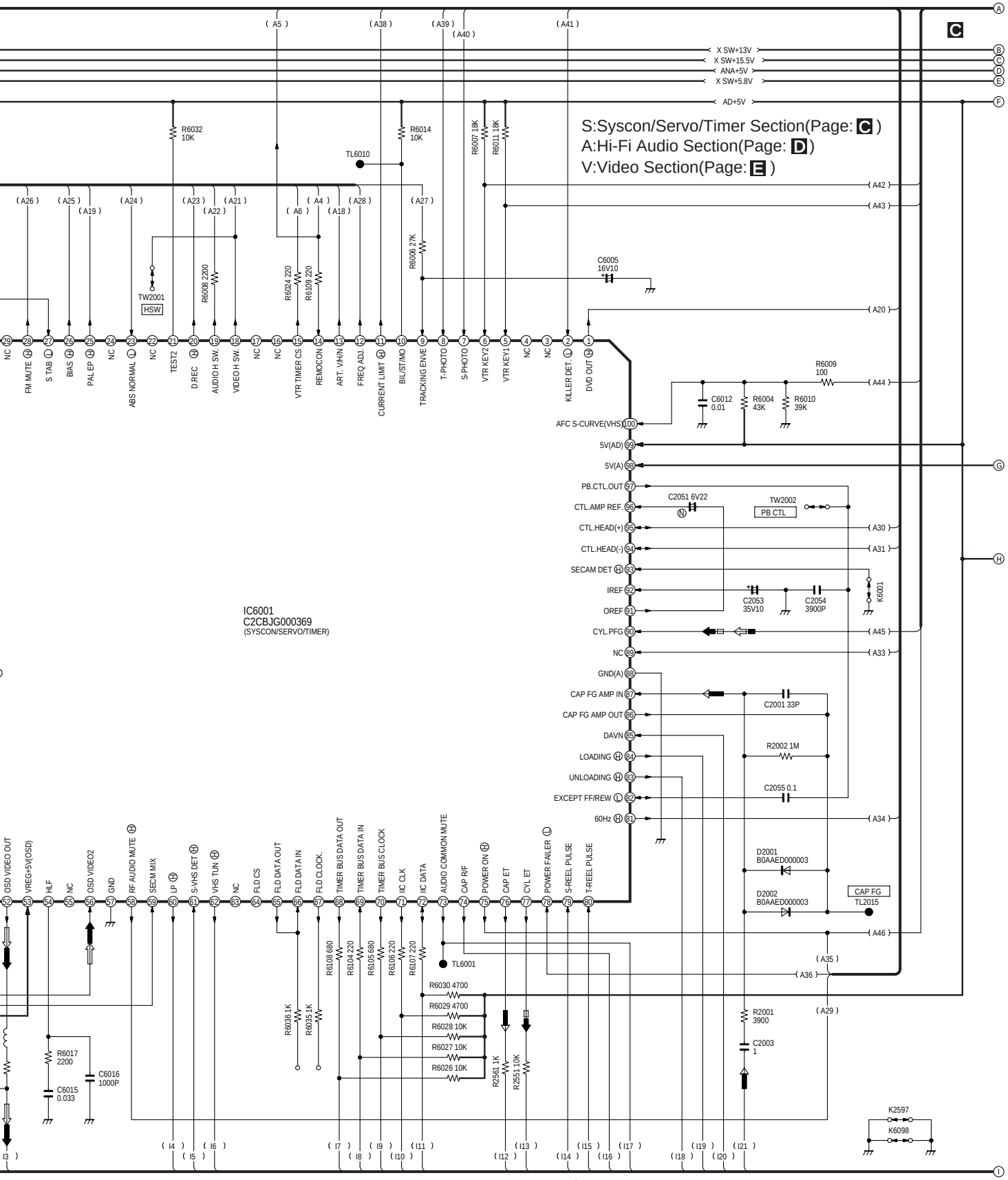


DMR-E75VEB/EG
Digital I/F Section
(Power & Digital
I/F P.C.B.(2/2))
Schematic Diagram(D)

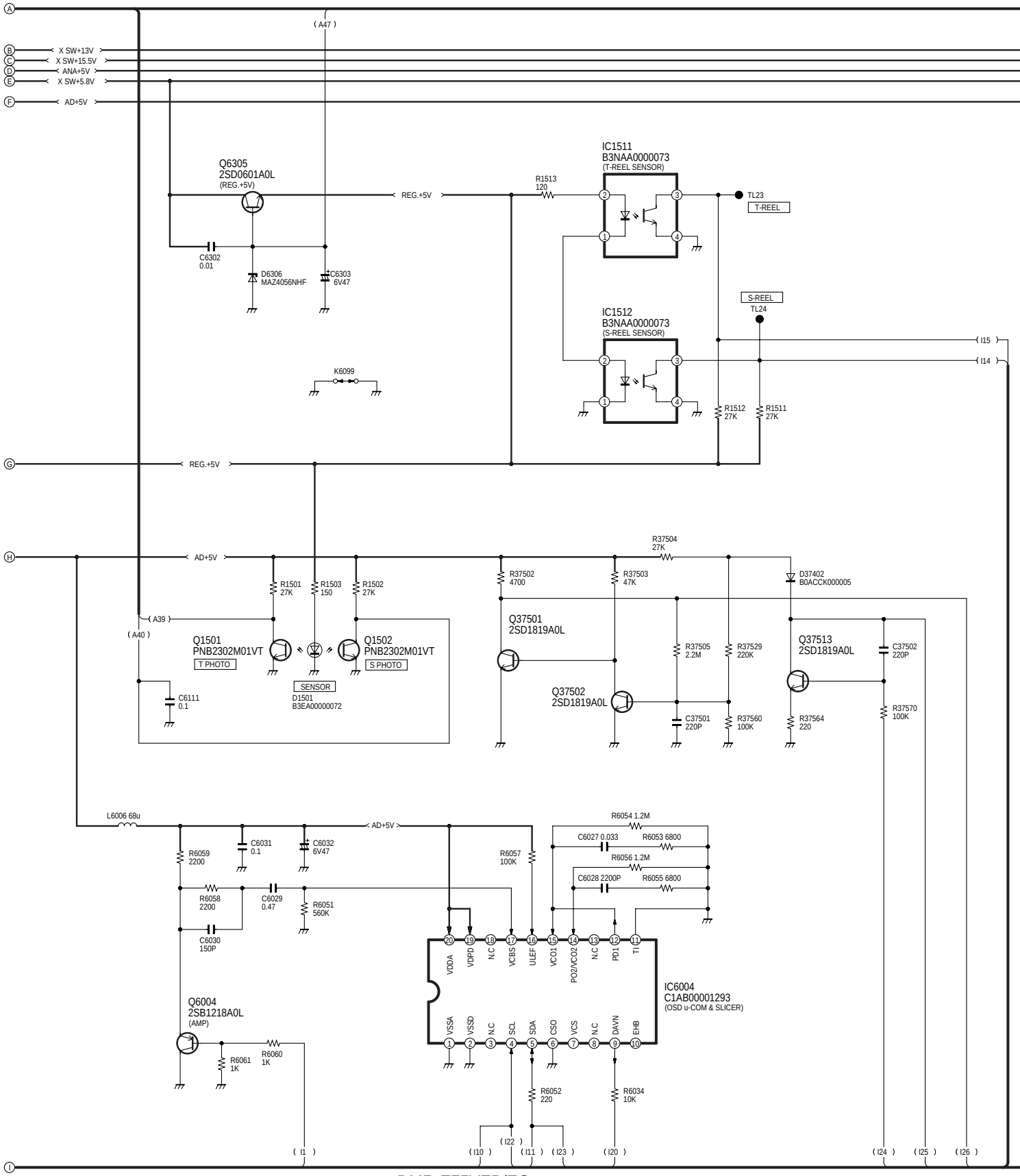
21.4. Syscon/Servo/Timer Section (Main P.C.B.(1/3)) Schematic Diagram (S)



(S)

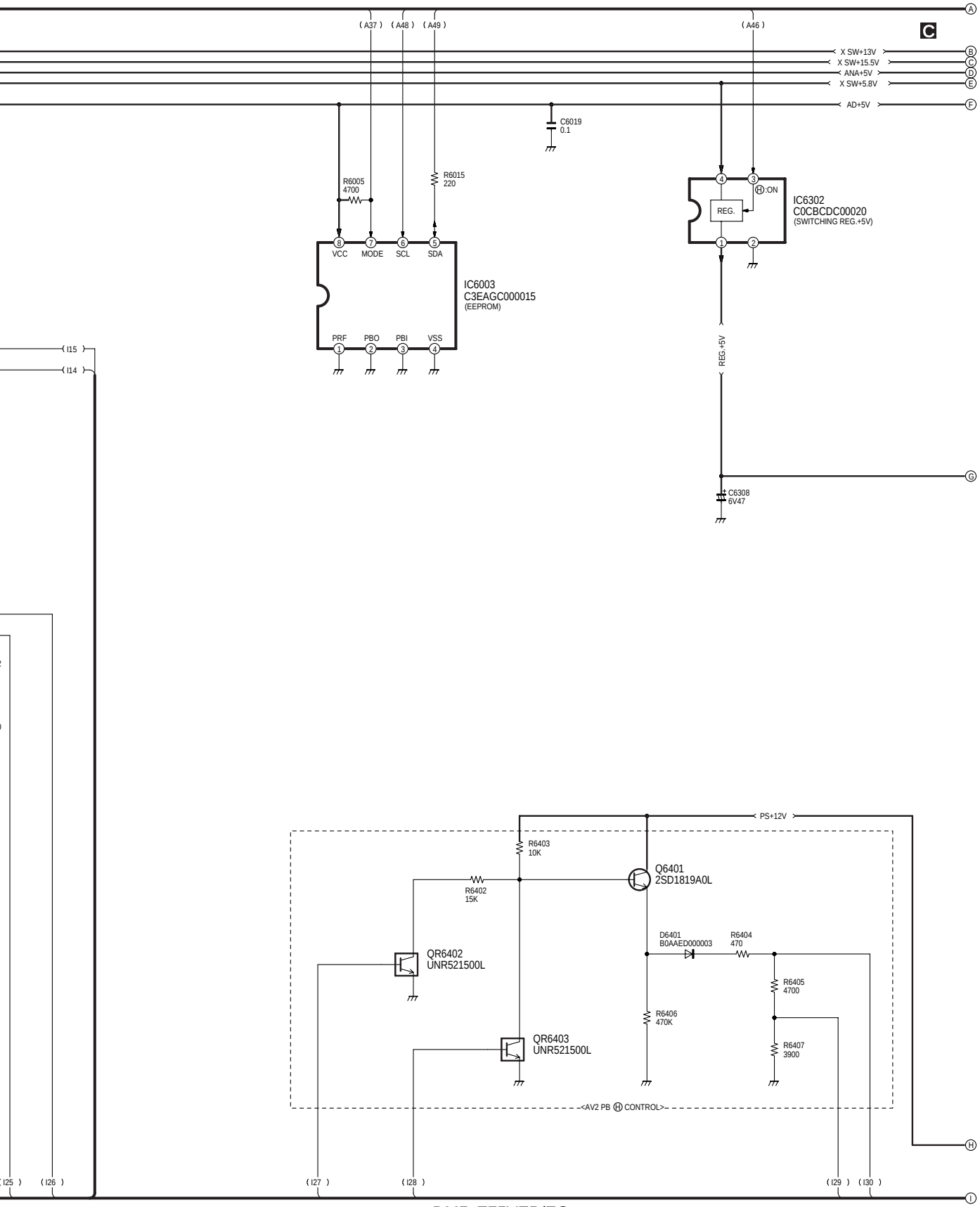


DMR-E75VEB/EG
Syscon/Servo/Timer Section (Main P.C.B.(1/3)) Schematic Diagram(S)



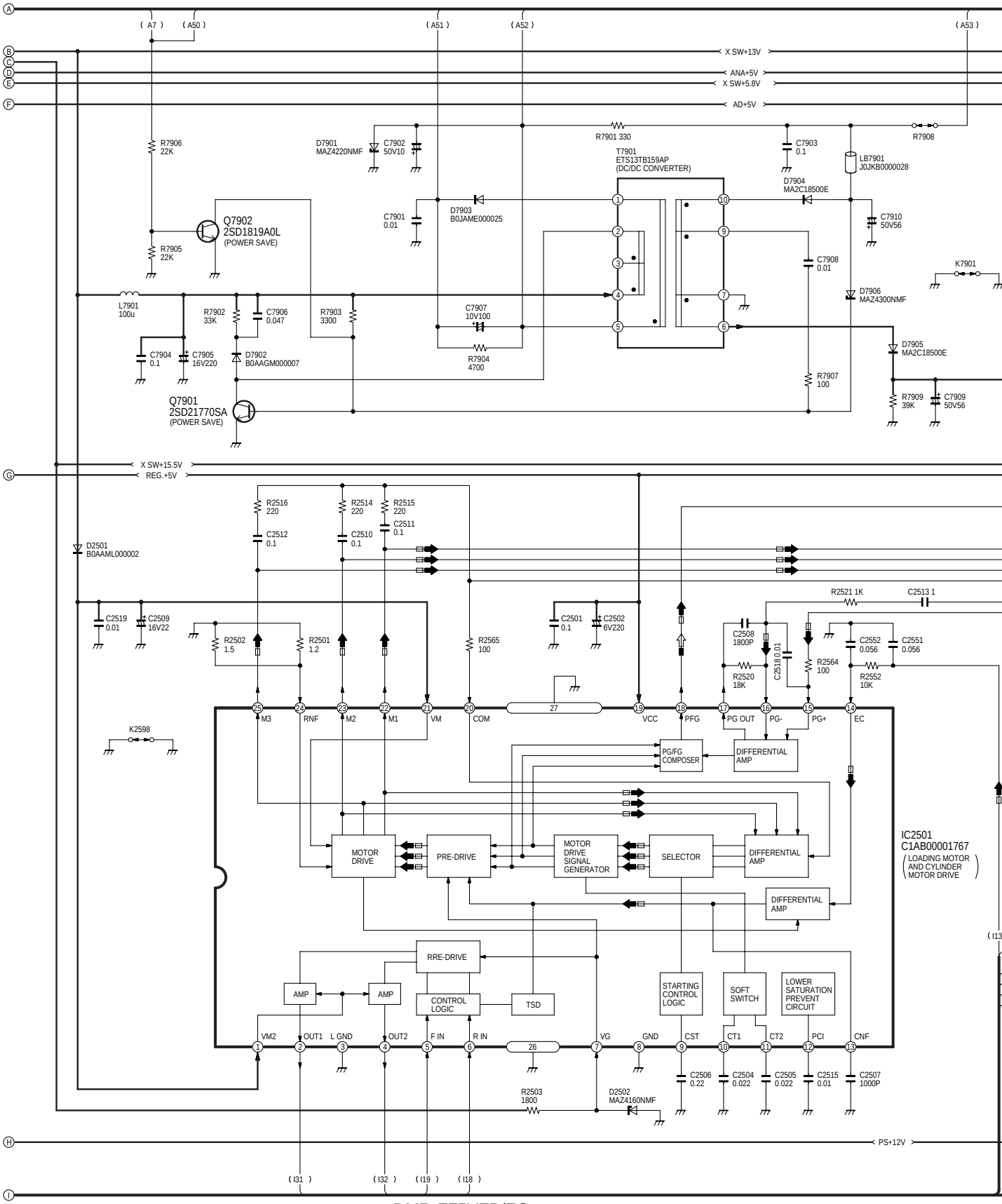
DMR-E75VEB/EG
Syscon/Servo/Timer Section (Main P.C.B.(1/3)) Schematic Diagram(S)

12 | 13 | 14 | 15 | 16 | 17



DMR-E75VEB/EG
Syscon/Servo/Timer Section (Main P.C.B.(1/3)) Schematic Diagram(S)

17 | 18 | 19 | 20 | 21 | 22

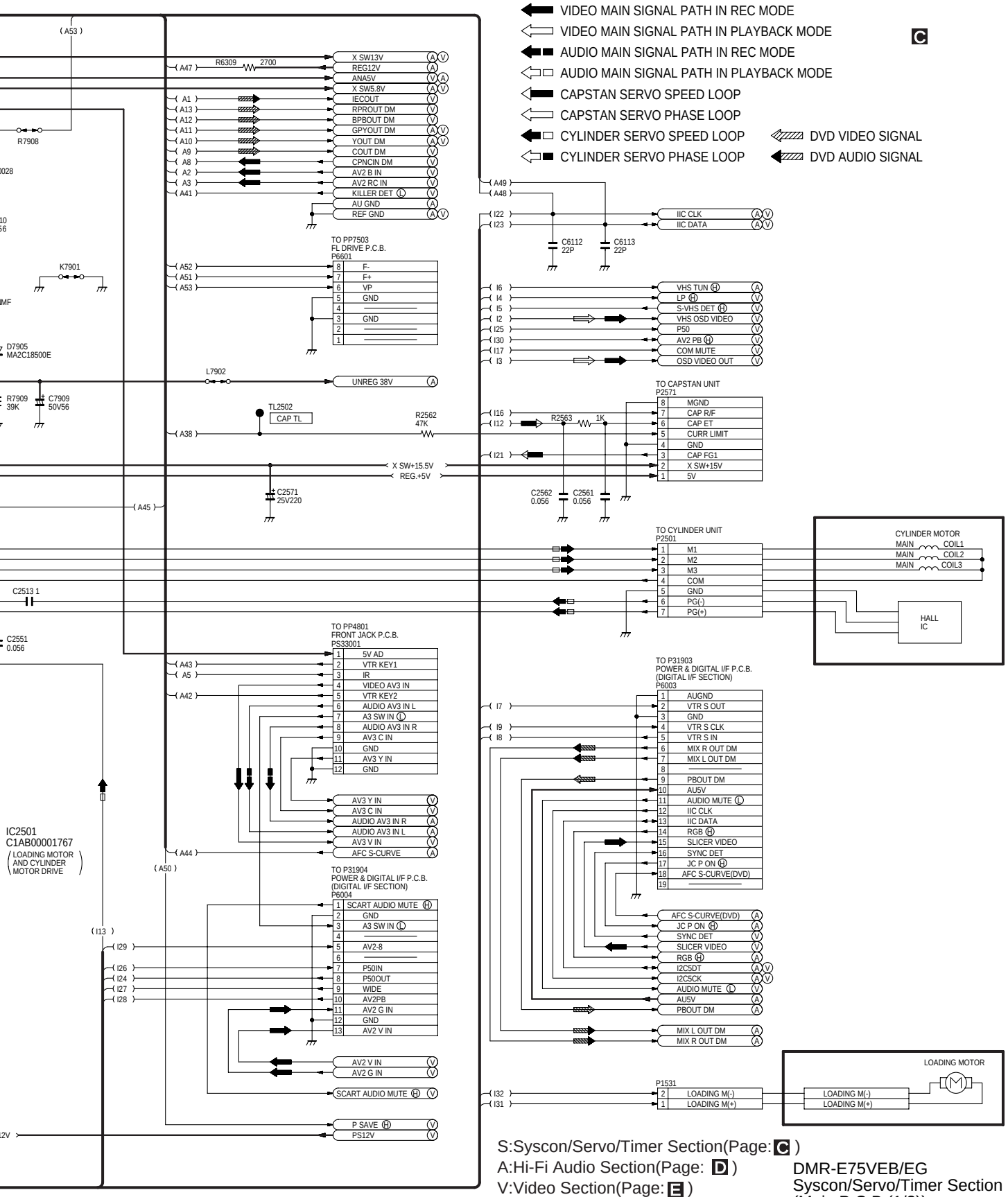


DMR-E75VEB/EG

Syscon/Servo/Timer Section (Main P.C.B.(1/3)) Schematic Diagram(S)

NOTE:DO ORDER

23 | 24 | 25 | 26 | 27 | 28



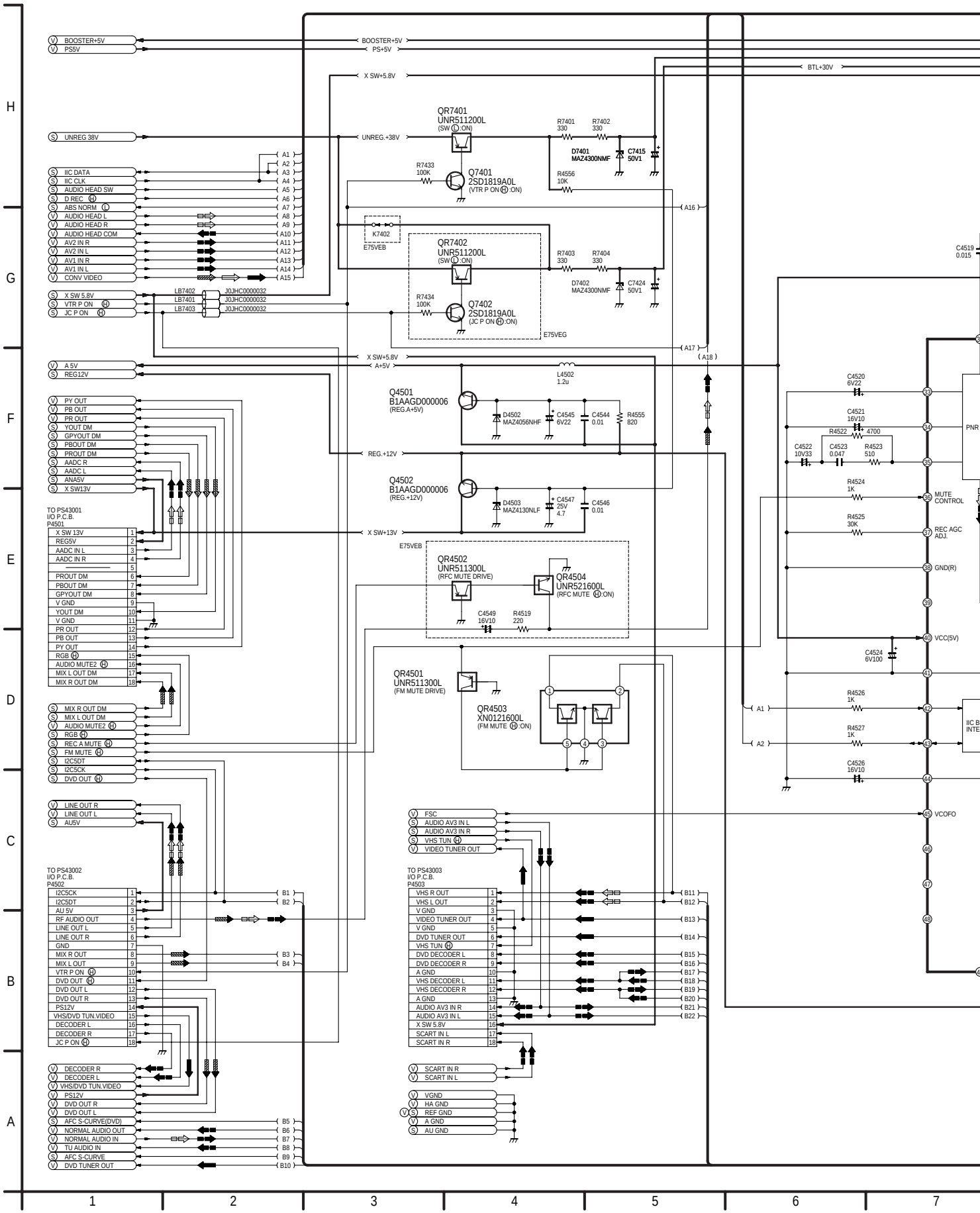
S:Syscon/Servo/Timer Section(Page: C)
A:Hi-Fi Audio Section(Page: D)
V:Video Section(Page: E)

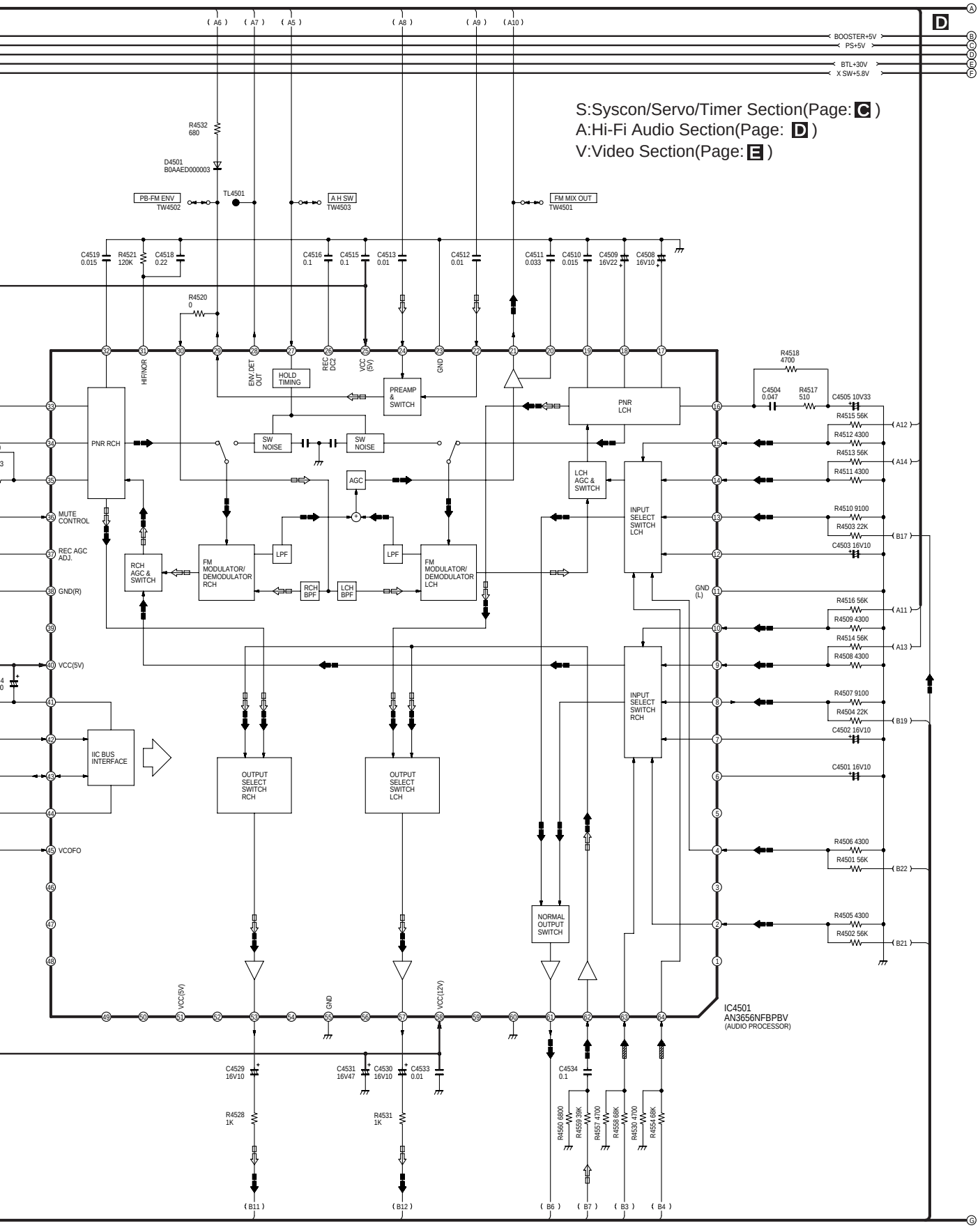
NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

DMR-E75VEB/EG
Syscon/Servo/Timer Section (Main P.C.B.(1/3))
Schematic Diagram(S)

28	29	30	31	32	33

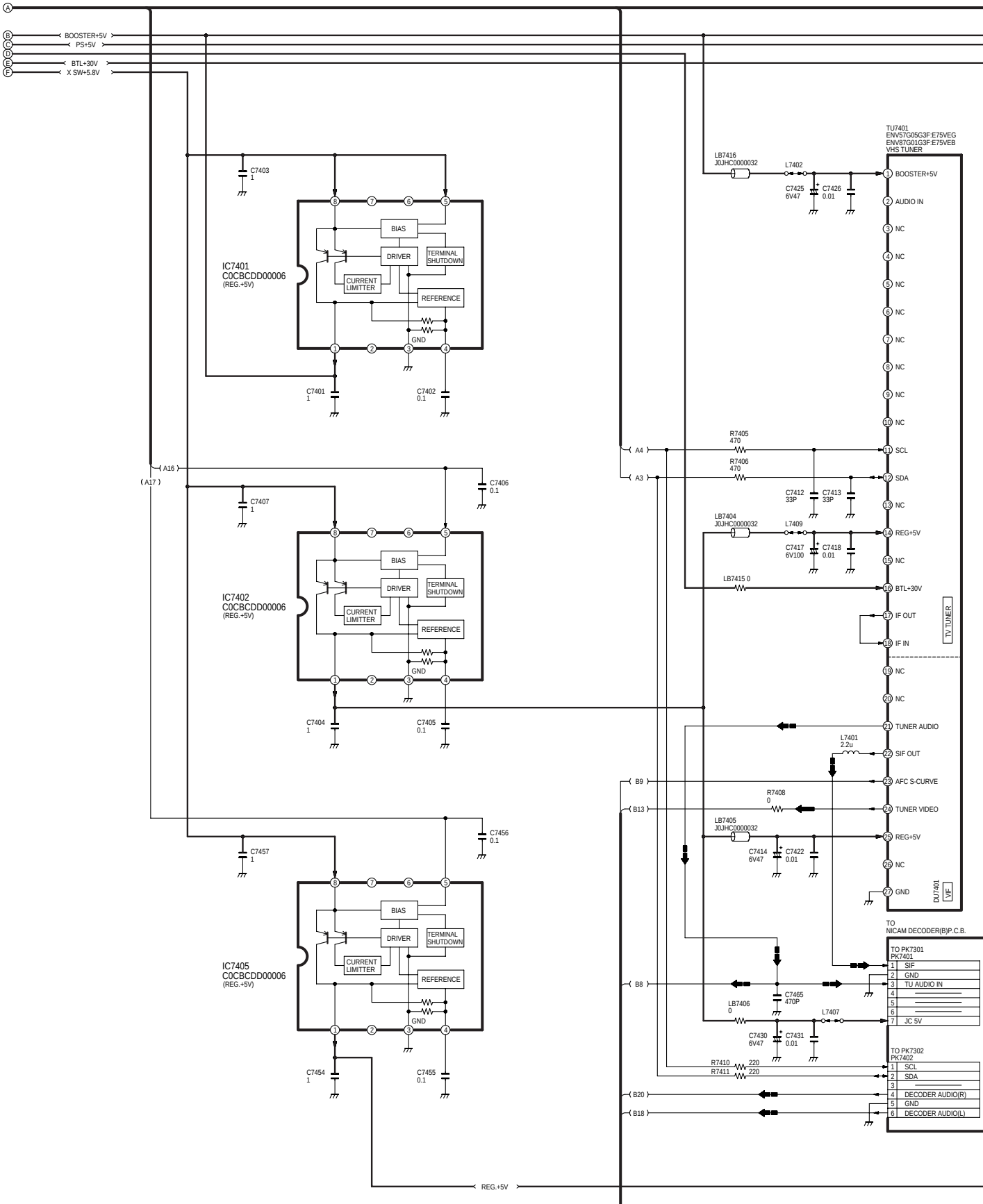
21.5. Hi-Fi Audio Section (Main P.C.B.(2/3)) Schematic Diagram (A)





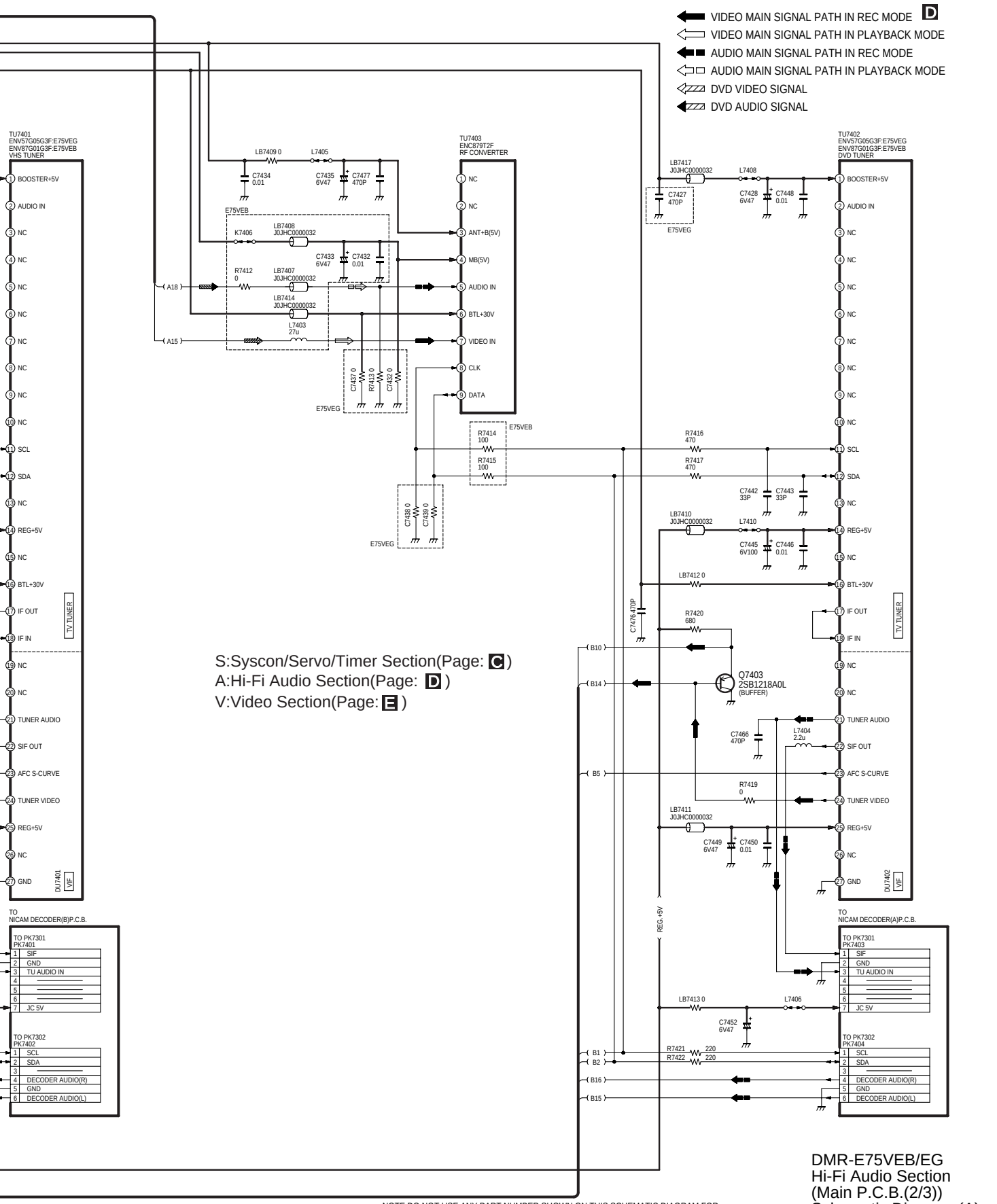
DMR-E75VEB/EG Hi-Fi Audio Section (Main P.C.B.(2/3)) Schematic Diagram (A)

7 | 8 | 9 | 10 | 11 | 12 | 13



DMR-E75VEB/EG Hi-Fi Audio Section (Main P.C.B.(2/3)) Schematic Diagram (A)

14 15 16 17 18 19

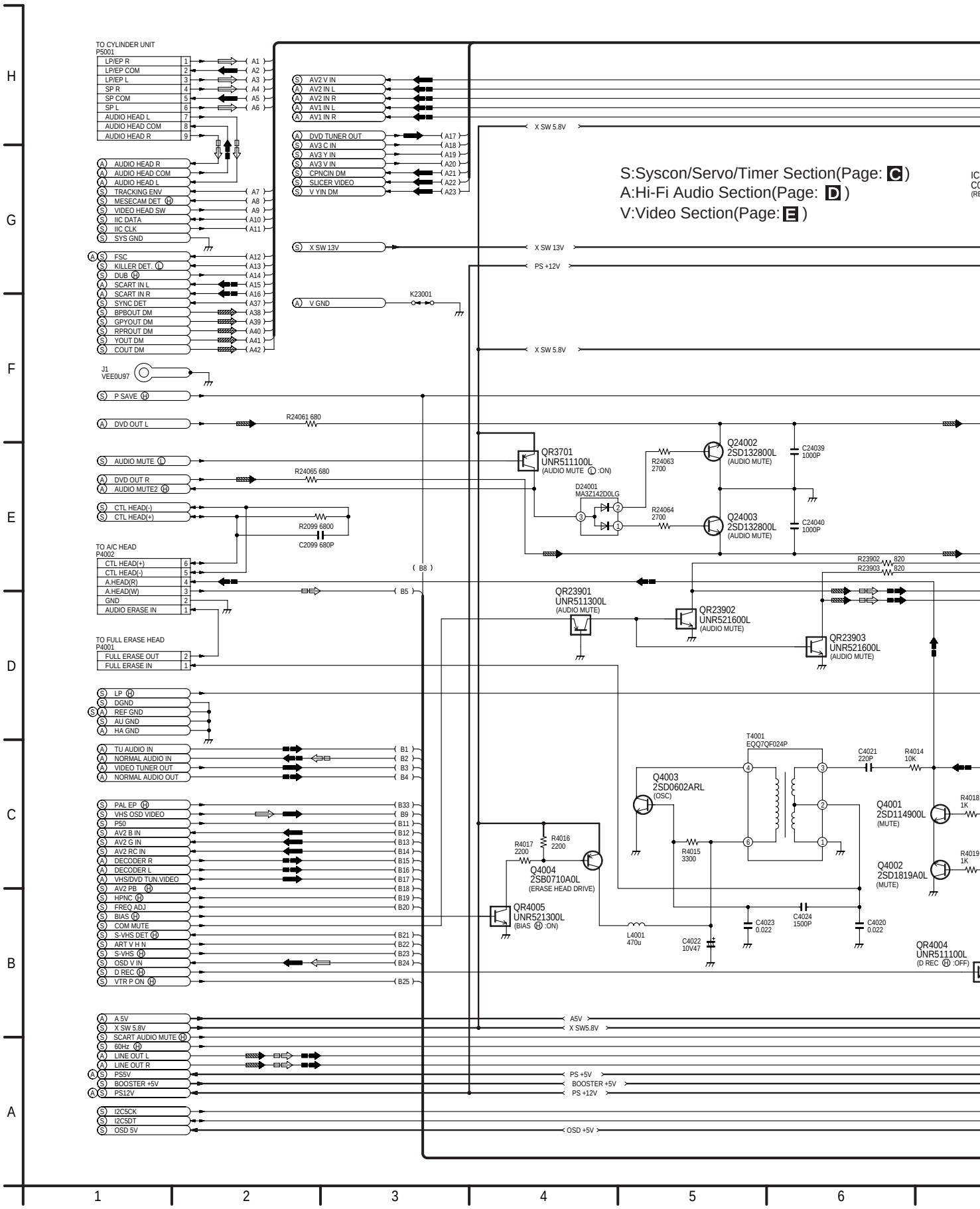


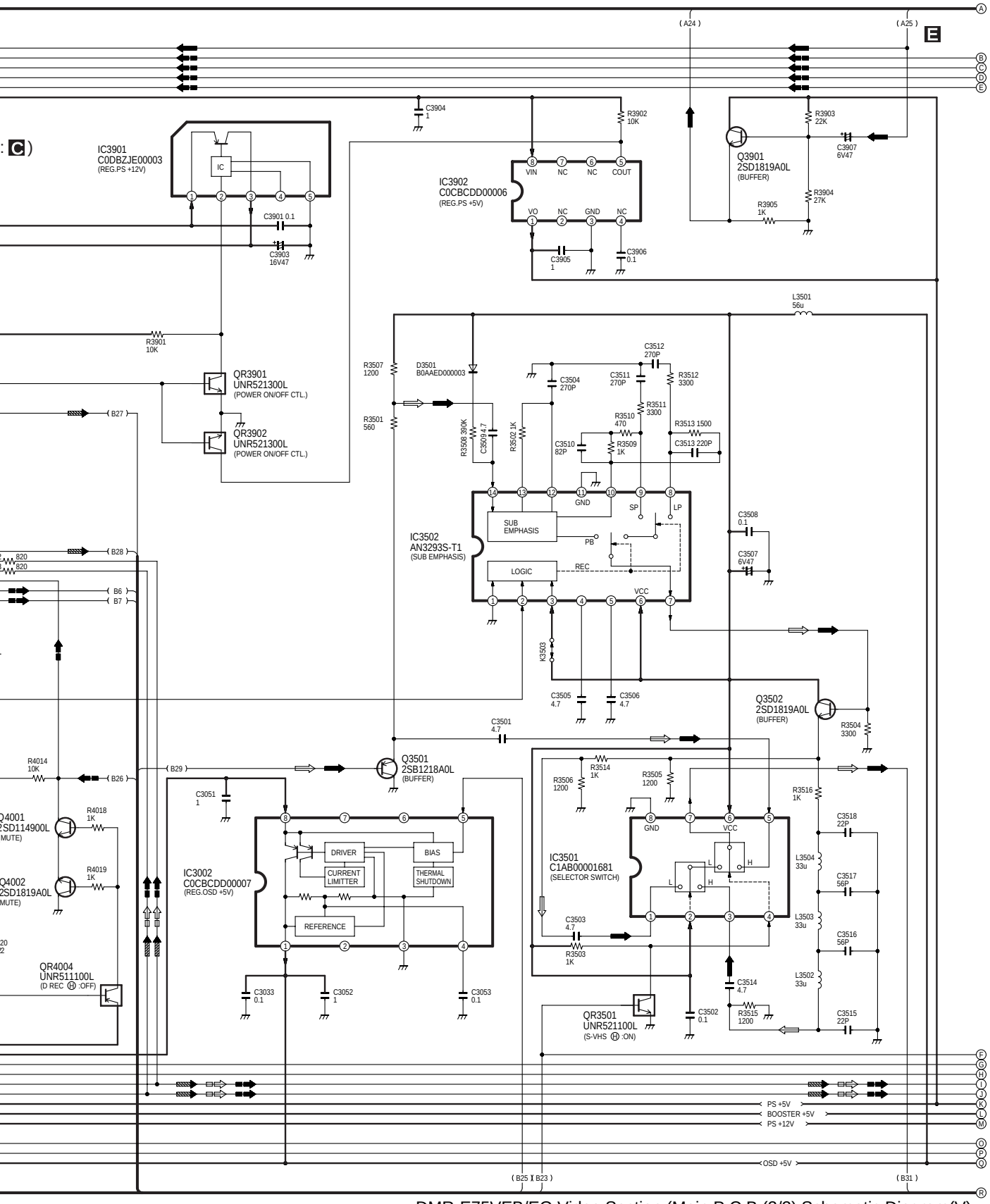
NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

DMR-E75VEB/EG
Hi-Fi Audio Section
(Main P.C.B.(2/3))
Schematic Diagram (A)

20 21 22 23 24 25

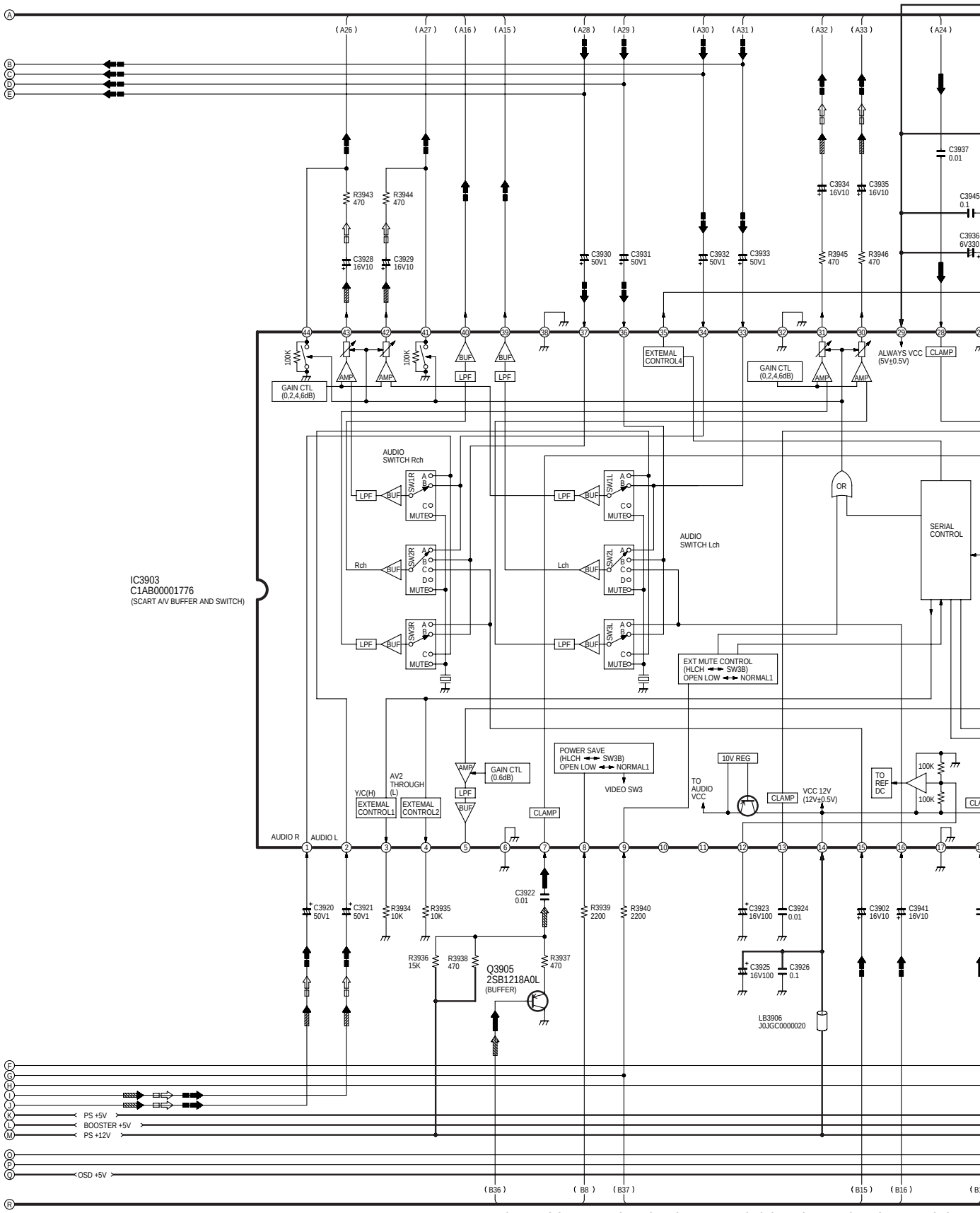
21.6. Video Section (Main P.C.B.(3/3)) Schematic Diagram (V)



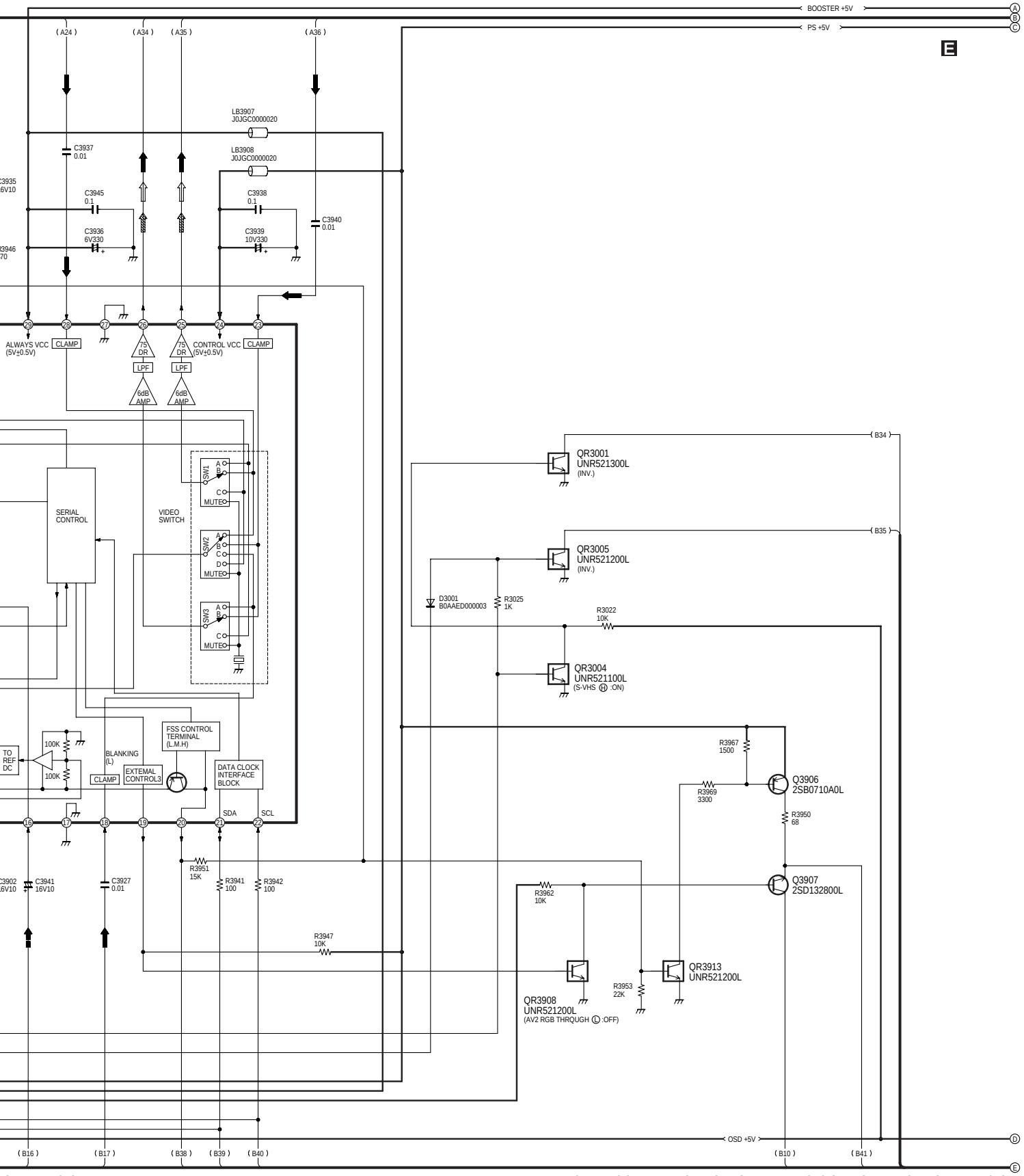


DMR-E75VEB/EG Video Section (Main P.C.B.(3/3) Schematic Diagram(V)

7 8 9 10 11 12



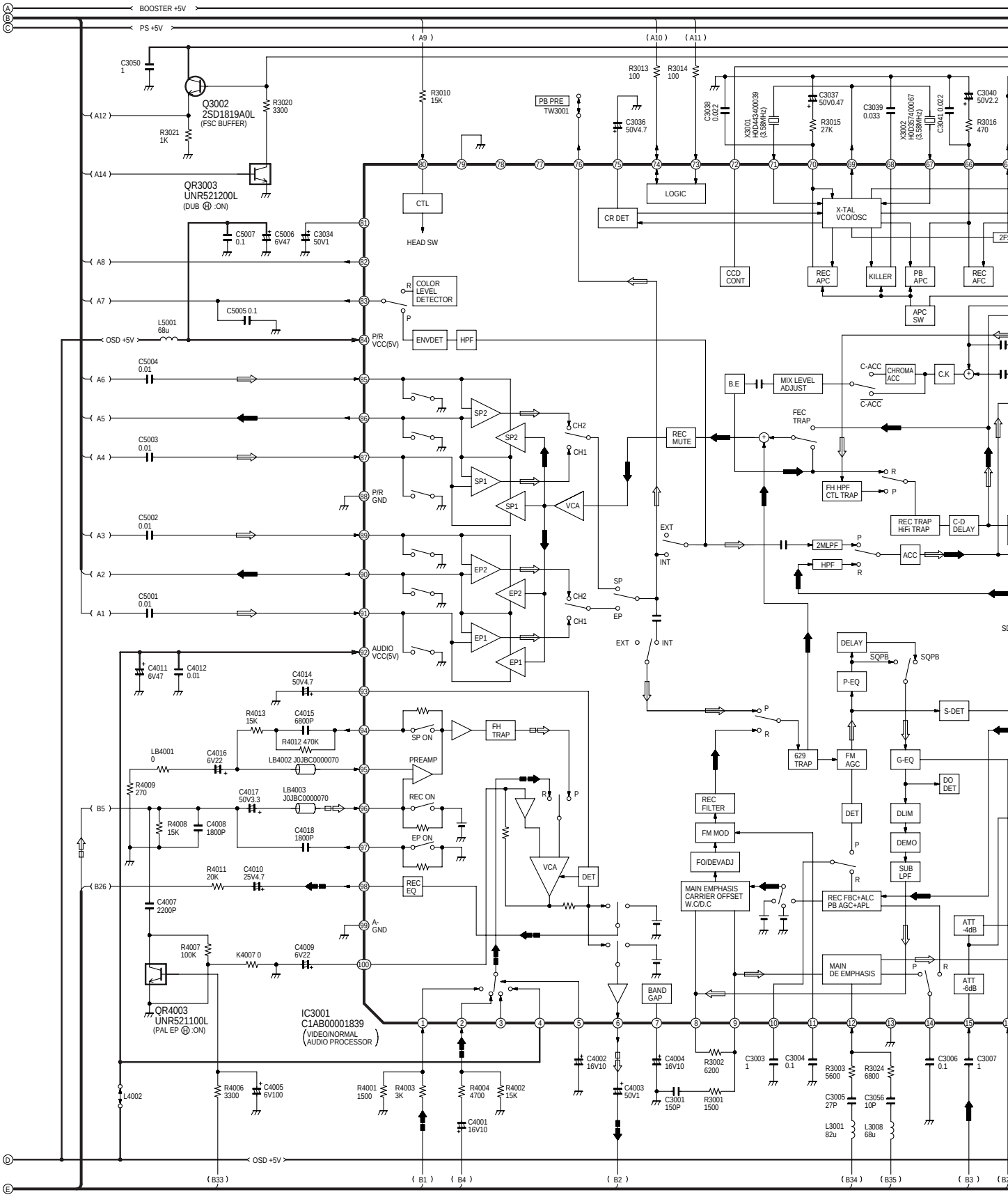
DMR-E75VEB/EG Video Section (Main P.C.B.(3/3) Schematic Diagram(V)



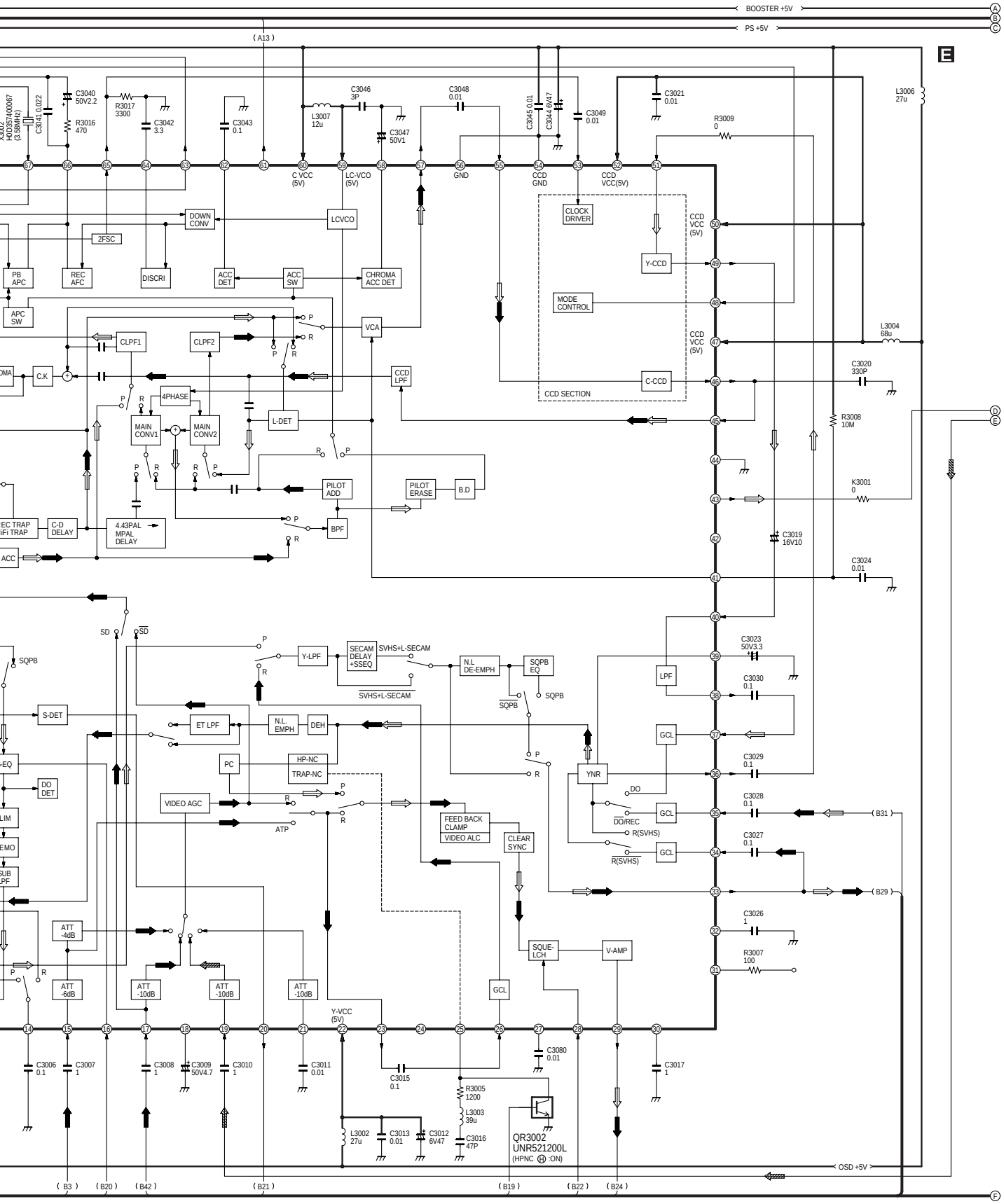
Diagram(V)

DMR-E75VEB/EG Video Section (Main P.C.B.(3/3) Schematic Diagram(V)

18 | 19 | 20 | 21 | 22 | 23 | 24



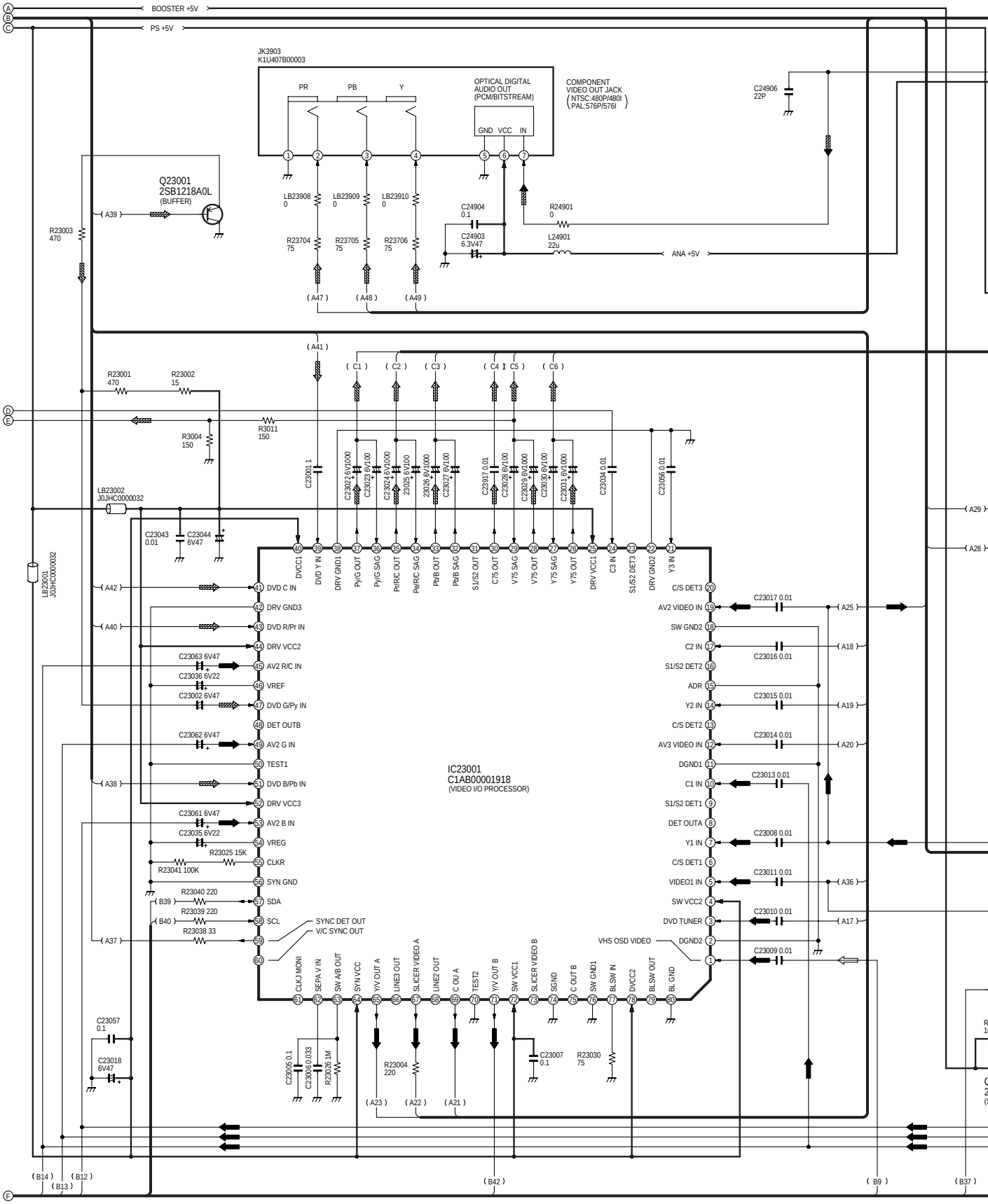
DMR-E75VEB/EG Video Section (Main P.C.B.(3/3) Schematic Diagram(V)



(V)

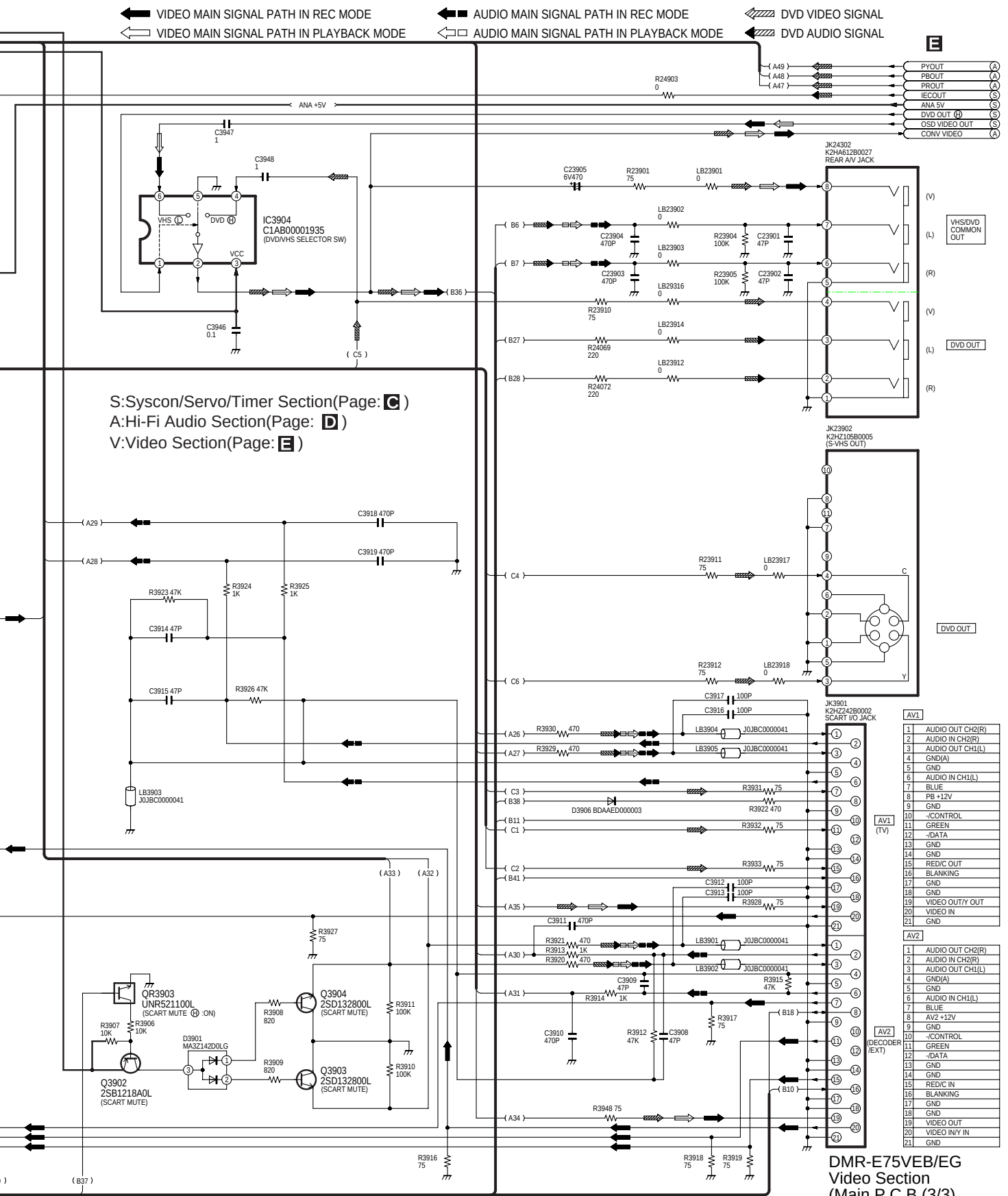
DMR-E75VEB/EG Video Section (Main P.C.B.(3/3) Schematic Diagram(V)

30 | 31 | 32 | 33 | 34 | 35



DMR-E75VEB/EG Video Section (Main P.C.B.(3/3) Schematic Diagra

36 37 38 39 40 41



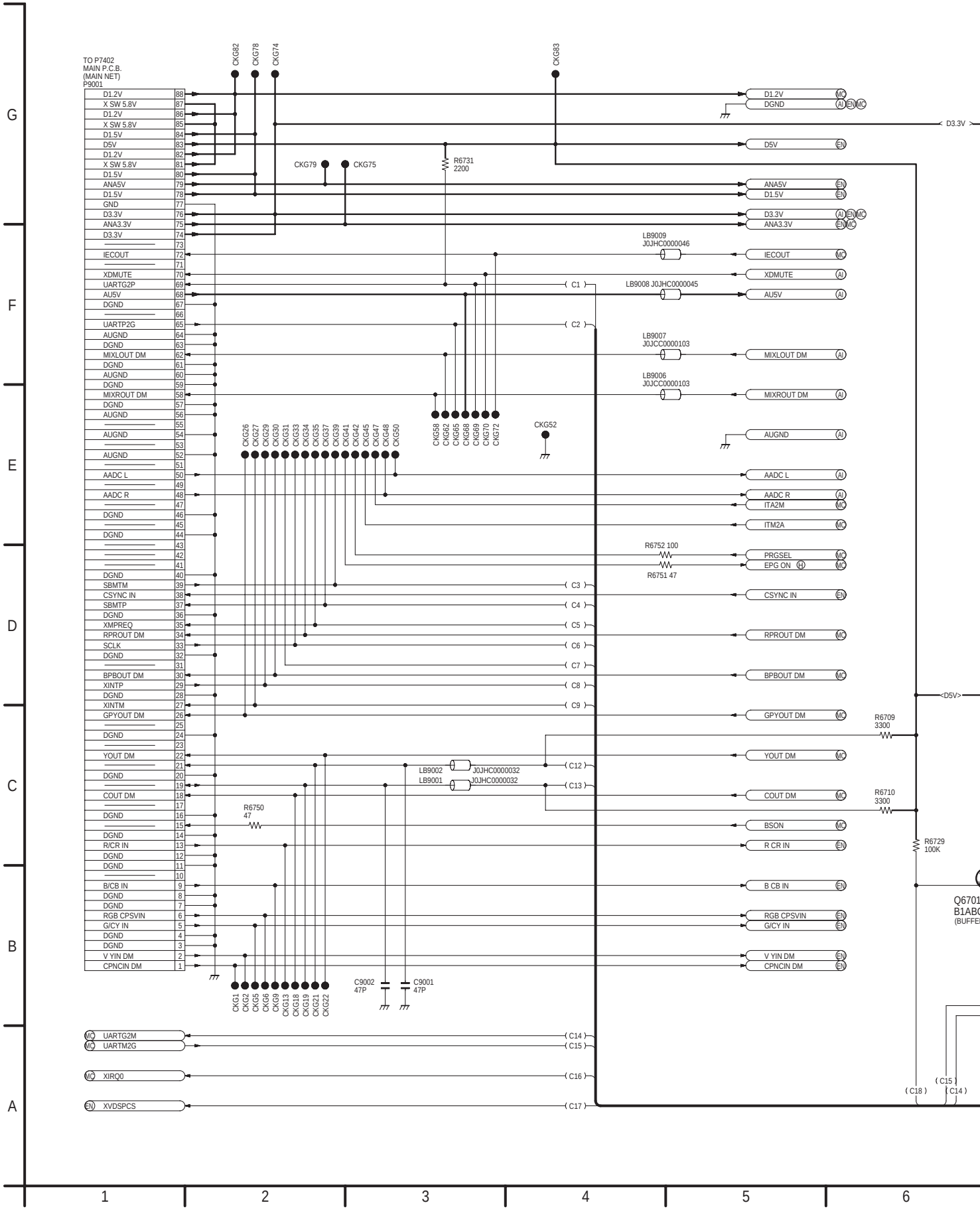
NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERRING.THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST,AND MAY BE SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

DMR-E75VEB/EG
Video Section
(Main P.C.B.(3/3)
Schematic Diagram(V)

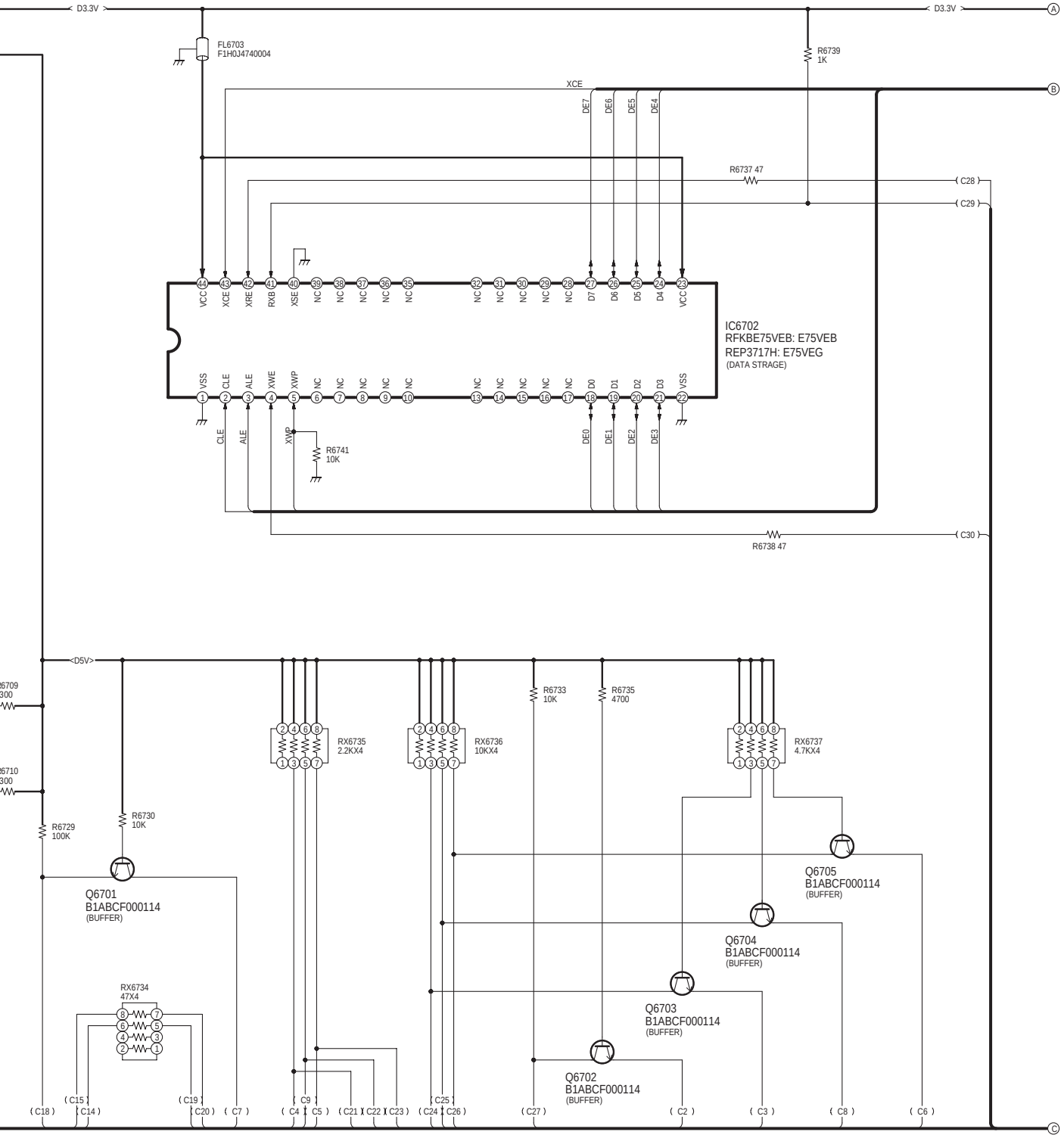
hematic Diagram(V)

42 43 44 45 46 47

21.7. Glue Net Section (Digital P.C.B.(1/4)) Schematic Diagram (GN)

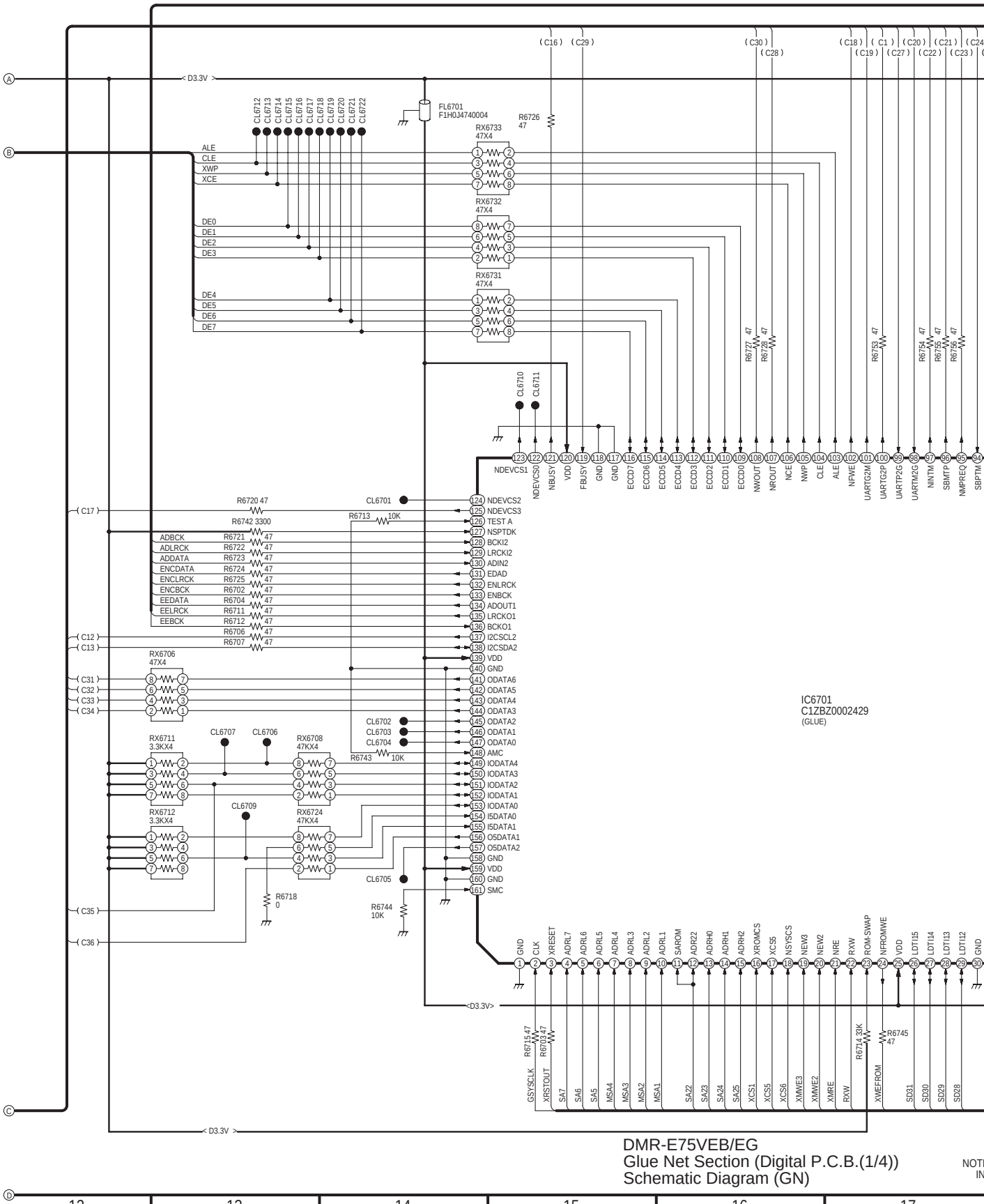


GN:Glue Net Section(Page: F)
EN:AV Encoder/RTSC Section(Page: G)
MC:AV Decoder/Main CPU Section(Page: H)
AI:Audio I/O Section(Page: I)

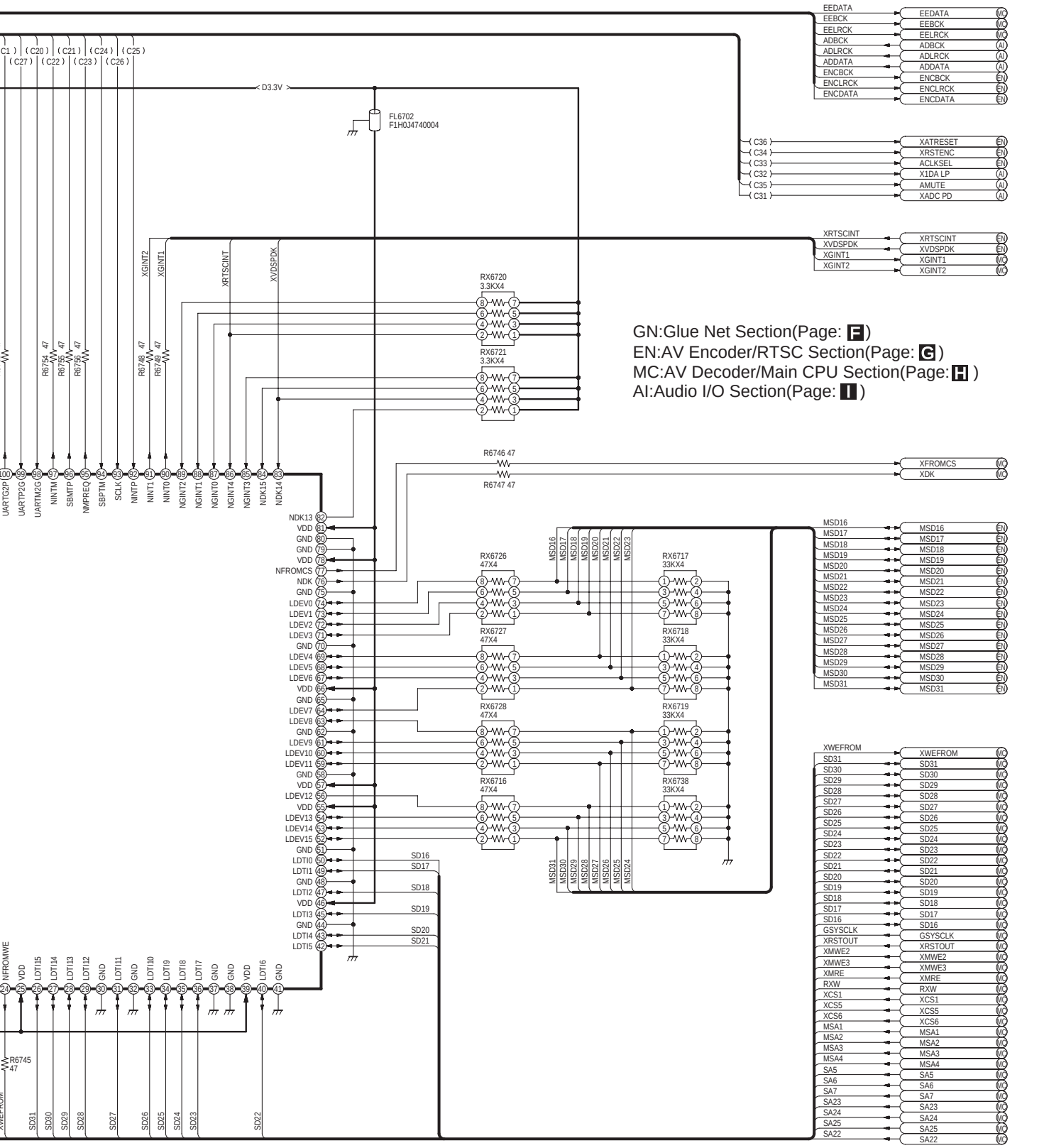


DMR-E75VEB/EG
Glue Net Section (Digital P.C.B.(1/4))
Schematic Diagram (GN)

6 | 7 | 8 | 9 | 10 | 11



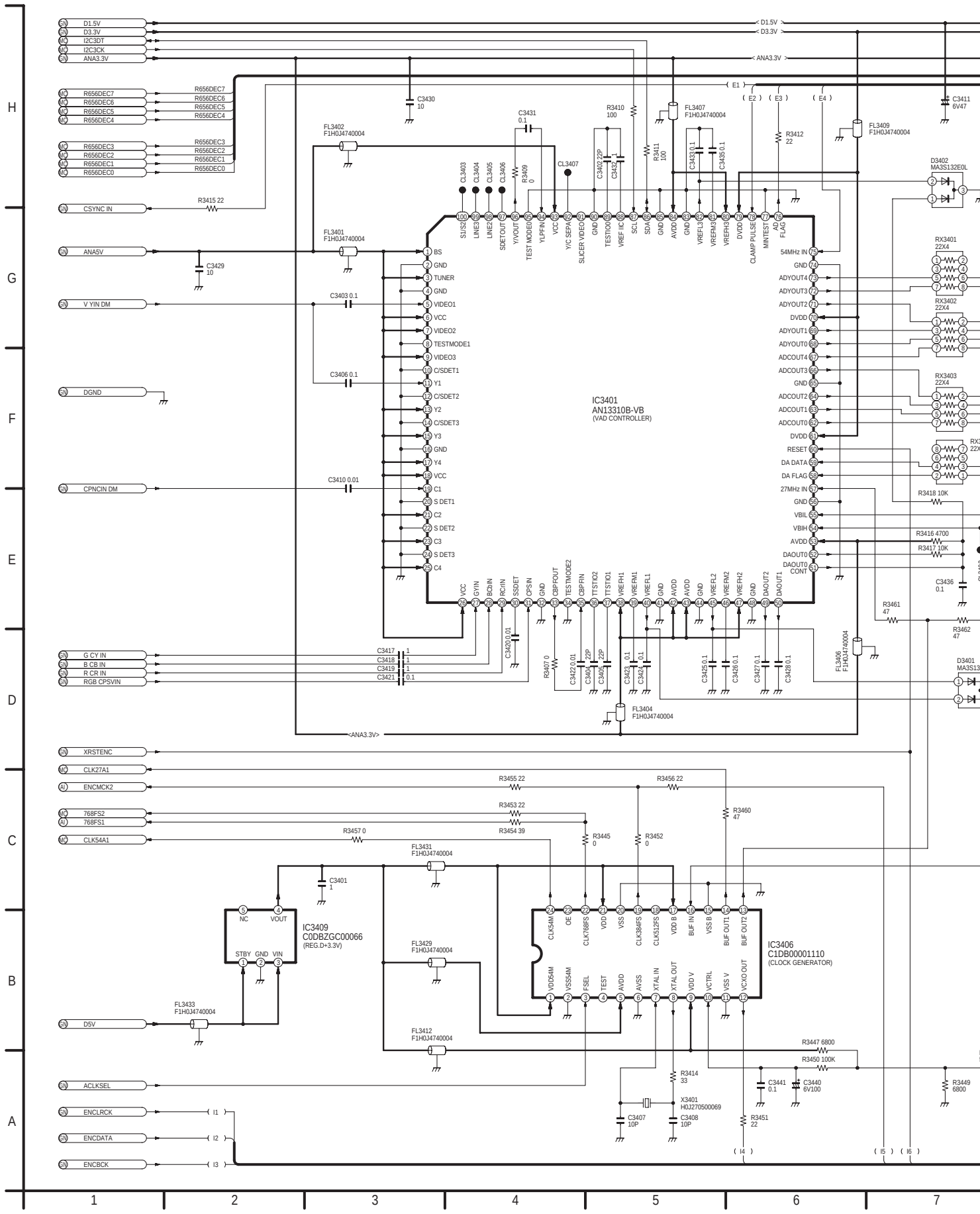
DMR-E75VEB/EG
Glue Net Section (Digital P.C.B.(1/4))
Schematic Diagram (GN)

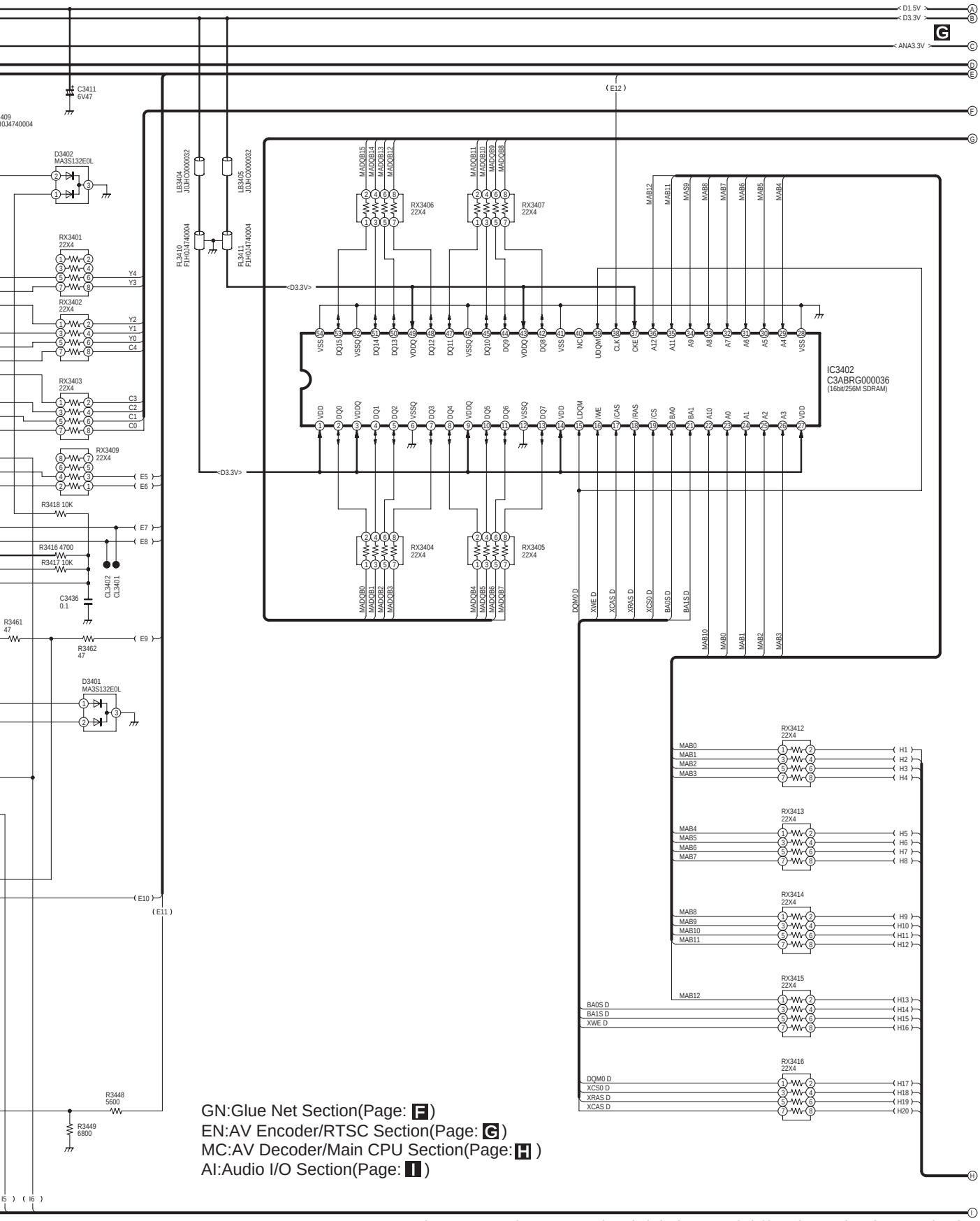


NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST,AND MAY BE SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

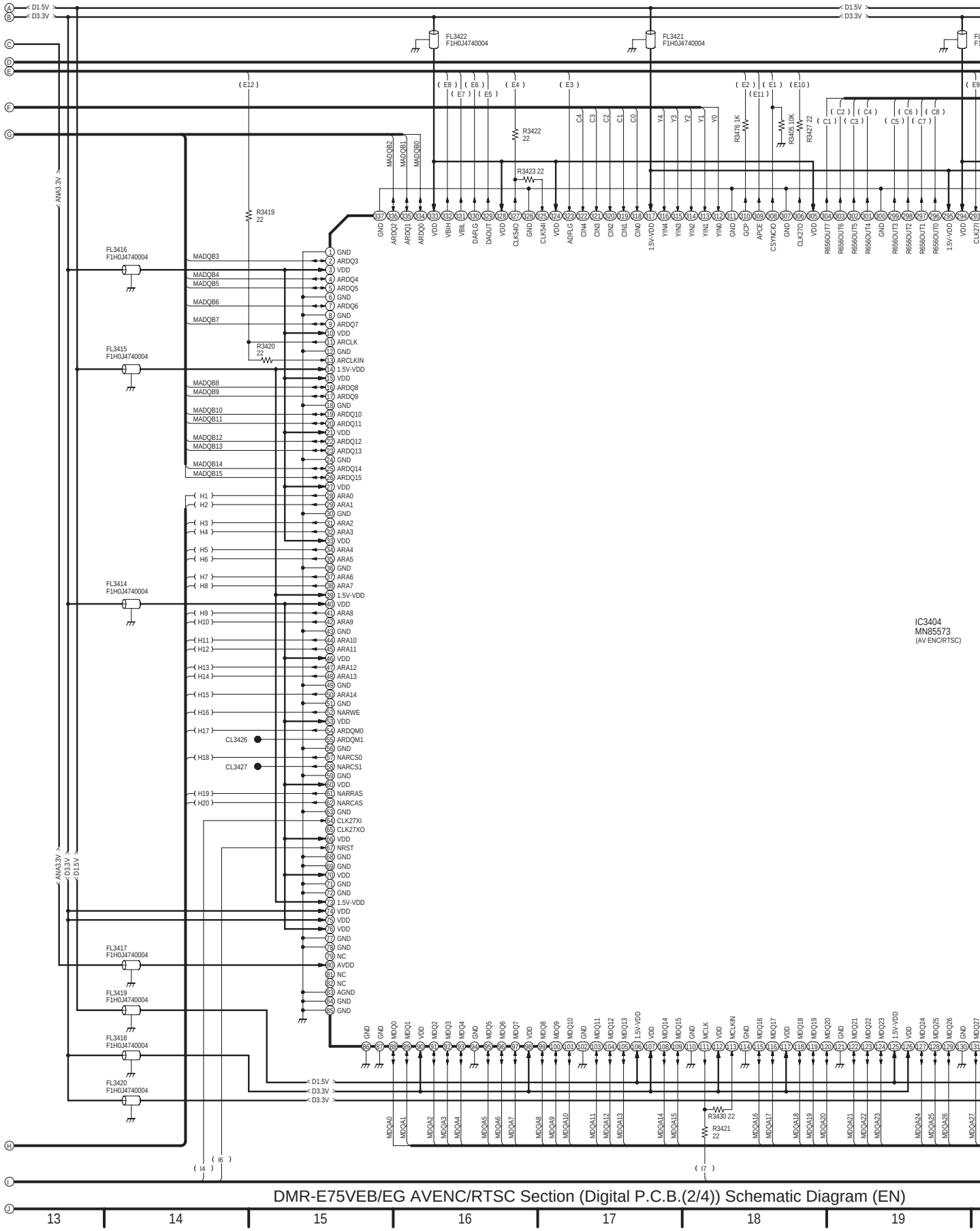
DMR-E75VEB/EG
Glue Net Section (Digital P.C.B.(1/4))
Schematic Diagram (GN)

21.8. AVENC/RTSC Section (Digital P.C.B.(2/4)) Schematic Diagram (EN)



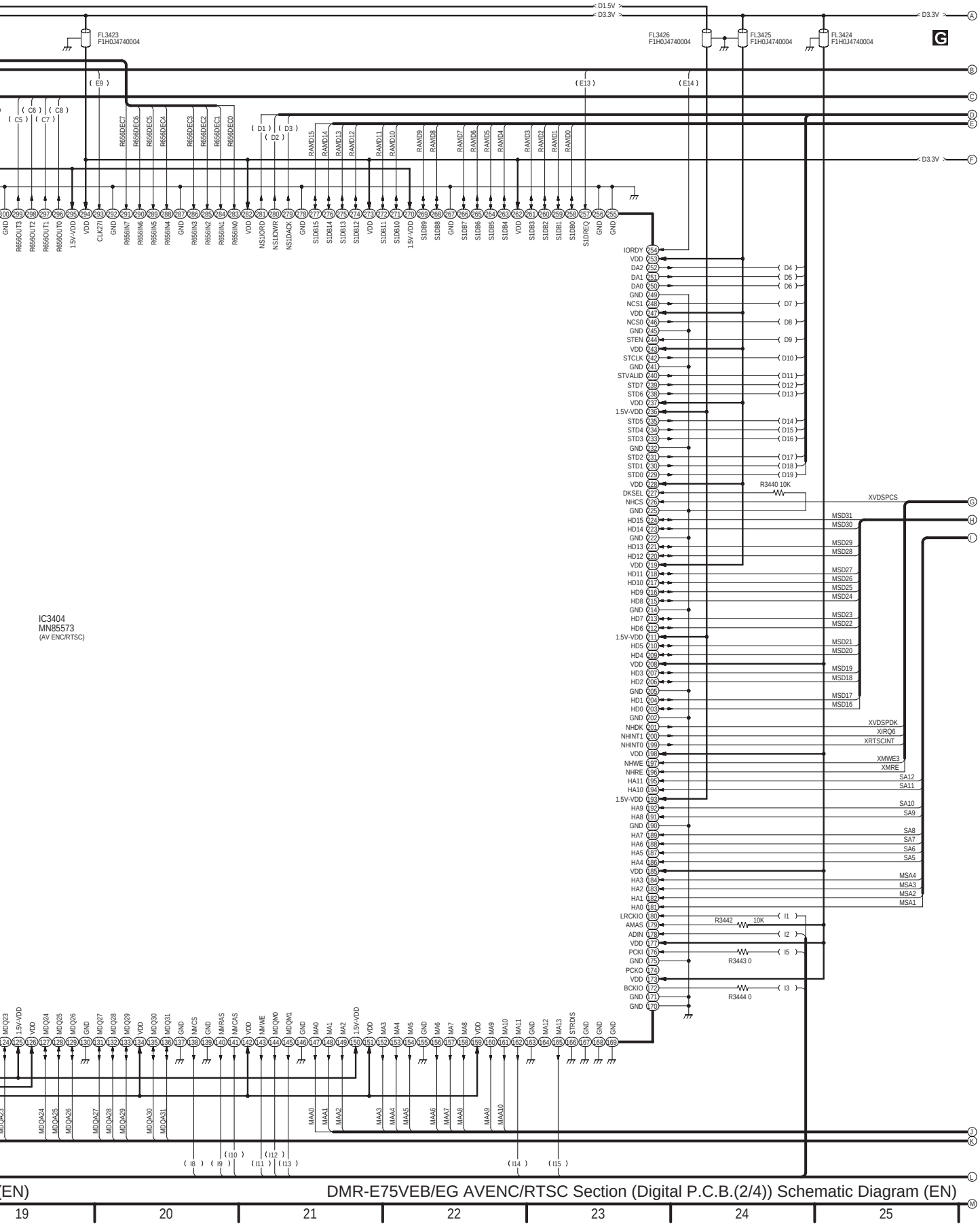


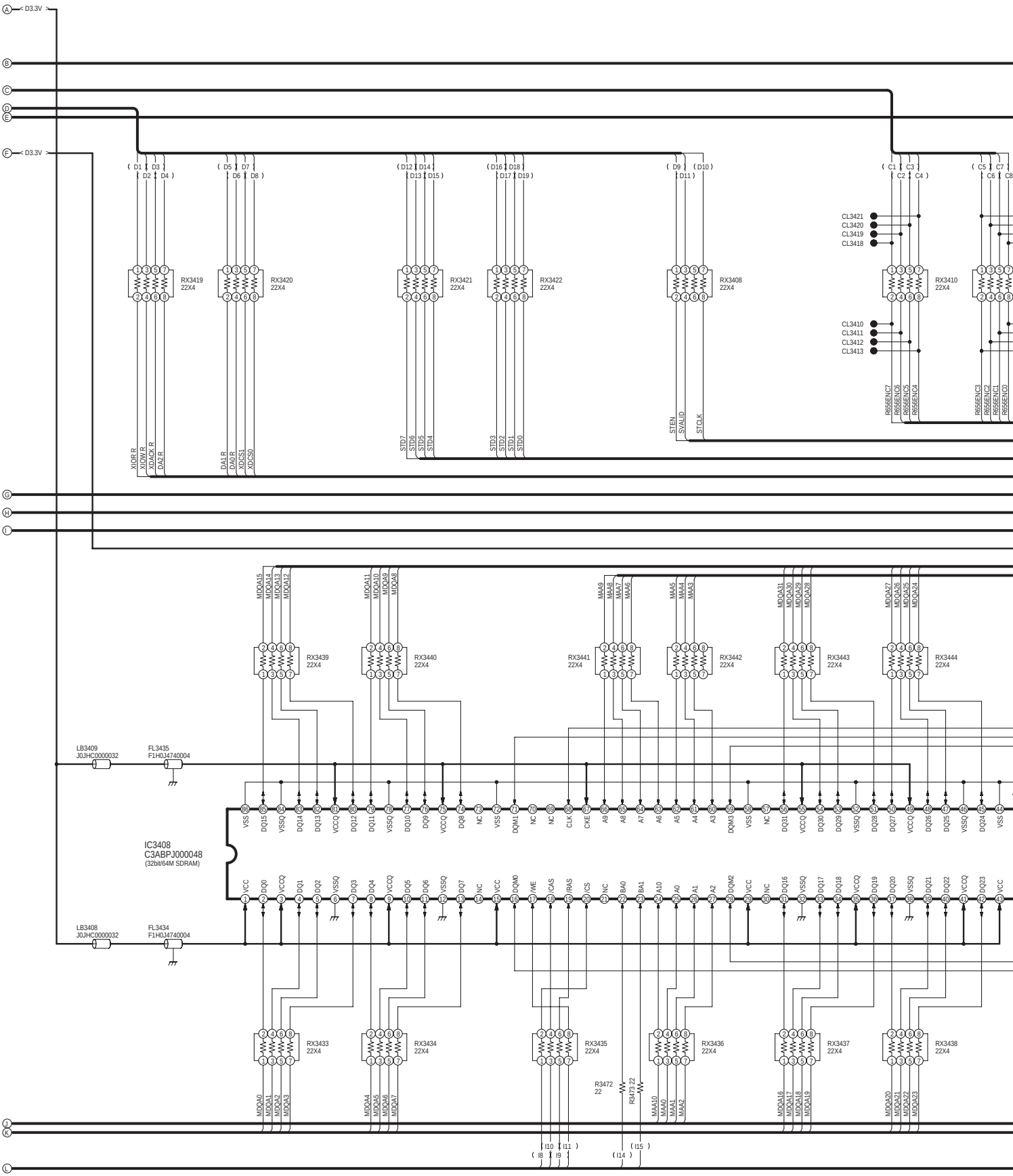
DMR-E75VEB/EG AVENC/RTSC Section (Digital P.C.B.(2/4)) Schematic Diagram (EN)



DMR-E75VEB/EG AVENC/RTSC Section (Digital P.C.B.(2/4)) Schematic Diagram (EN)

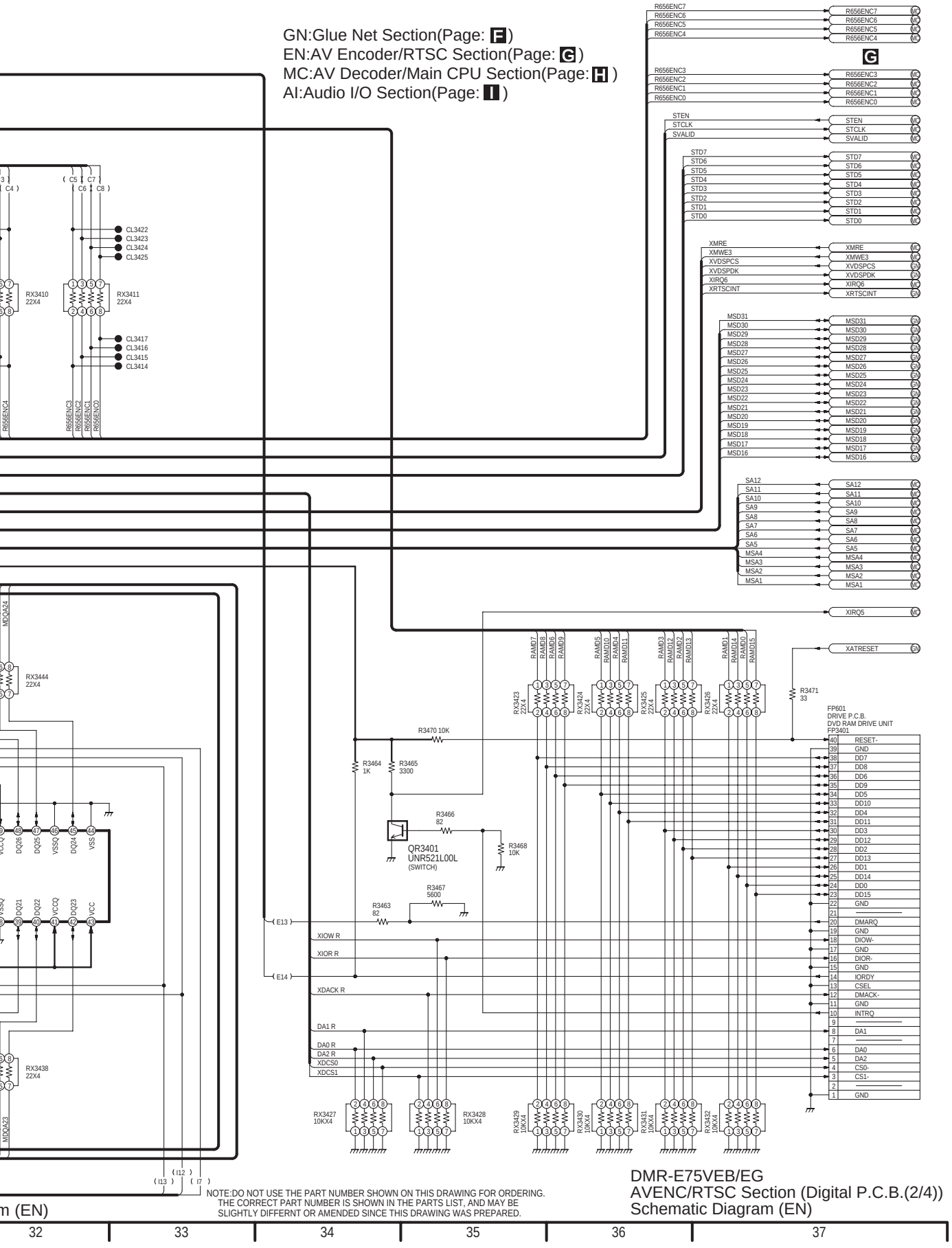
13 14 15 16 17 18 19


D1.5V
D3.3V
FL3423
F1H0J4740004
FL3426
F1H0J4740004
FL3425
F1H0J4740004
FL3424
F1H0J4740004
IC3404
MN85573
(AV ENC/RTSC)
R3440 10K
R3442 10K
R3443 0
R3444 0
XVDSPCS
XVDSPDK
XIRQ6
XRTSCINT
XMWE3
XMRE



DMR-E75VEB/EG AVENC/RTSC Section (Digital P.C.B.(2/4)) Schematic Diagram (EN)

GN:Glue Net Section(Page: F)
EN:AV Encoder/RTSC Section(Page: G)
MC:AV Decoder/Main CPU Section(Page: H)
AI:Audio I/O Section(Page: I)



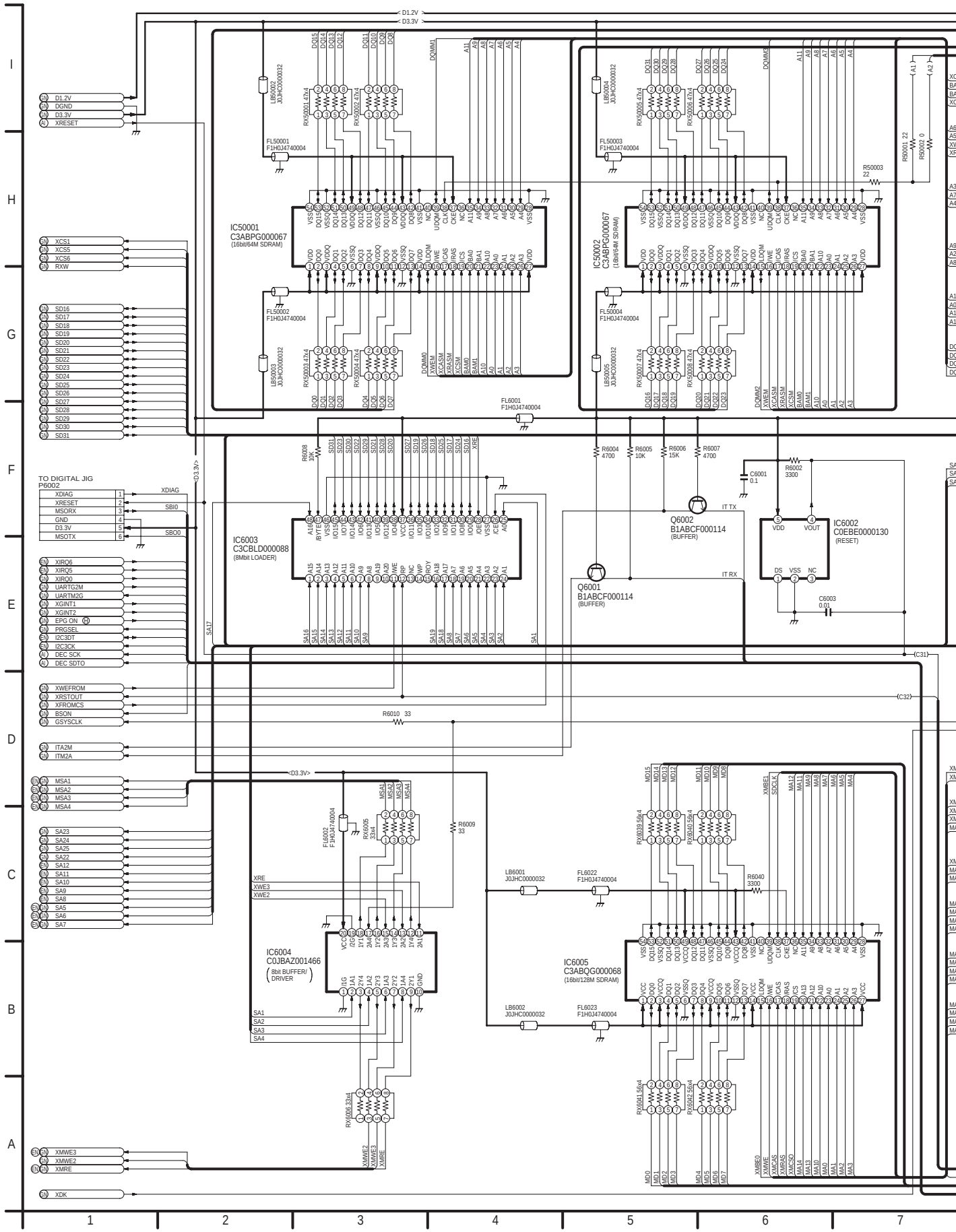
NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

DMR-E75VEB/EG
AVENC/RTSC Section (Digital P.C.B.(2/4))
Schematic Diagram (EN)

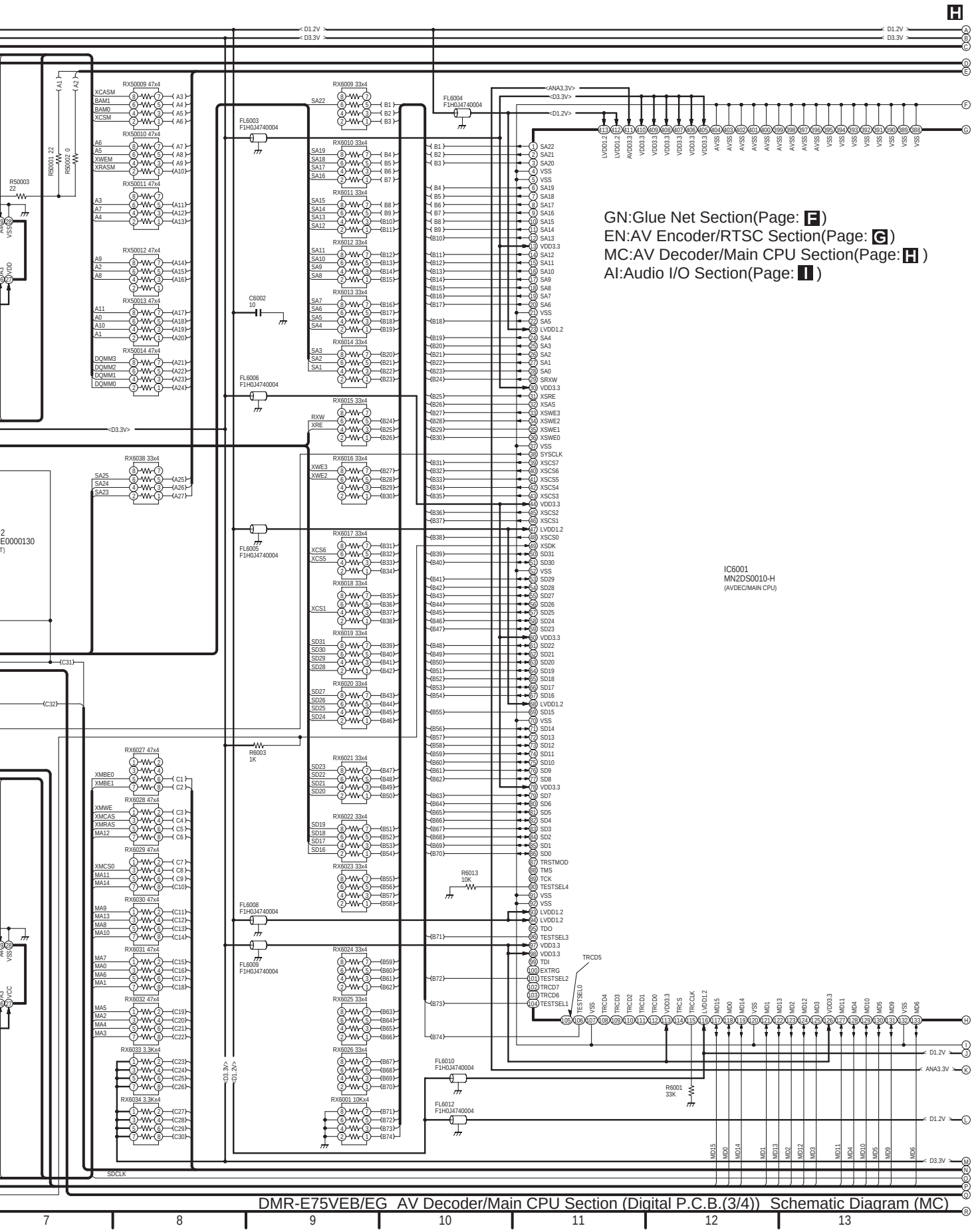
m (EN)

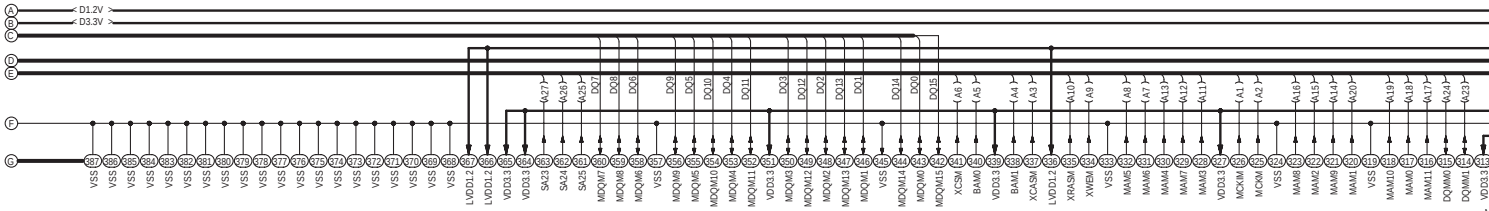
32 33 34 35 36 37

21.9. AV Decoder/Main CPU Section (Digital P.C.B.(3/4)) Schematic Diagram (MC



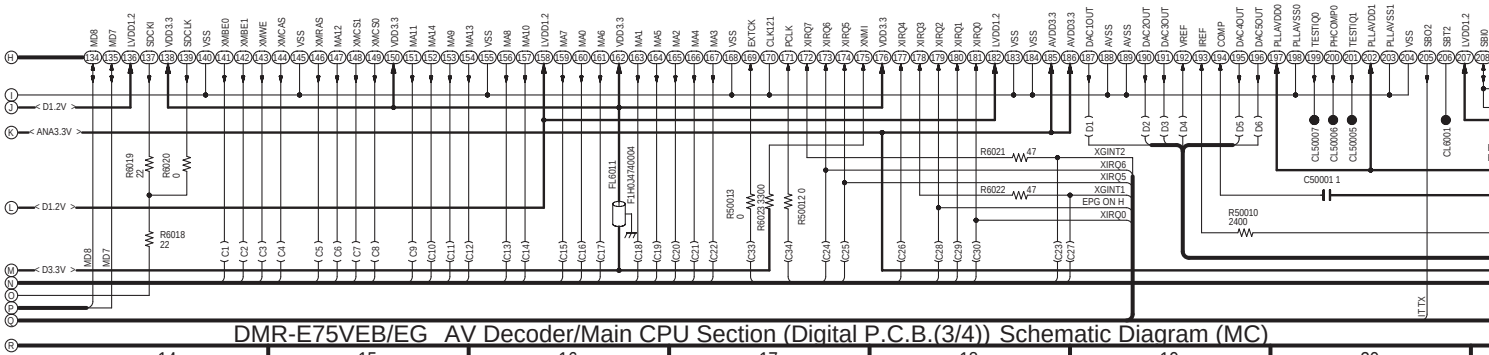
ram (MC)


GN:Glue Net Section(Page: F)
EN:AV Encoder/RTSC Section(Page: G)
MC:AV Decoder/Main CPU Section(Page: H)
AI:Audio I/O Section(Page: I)
IC6001
MN2DS0010-H
(AVDEC/MAIN CPU)

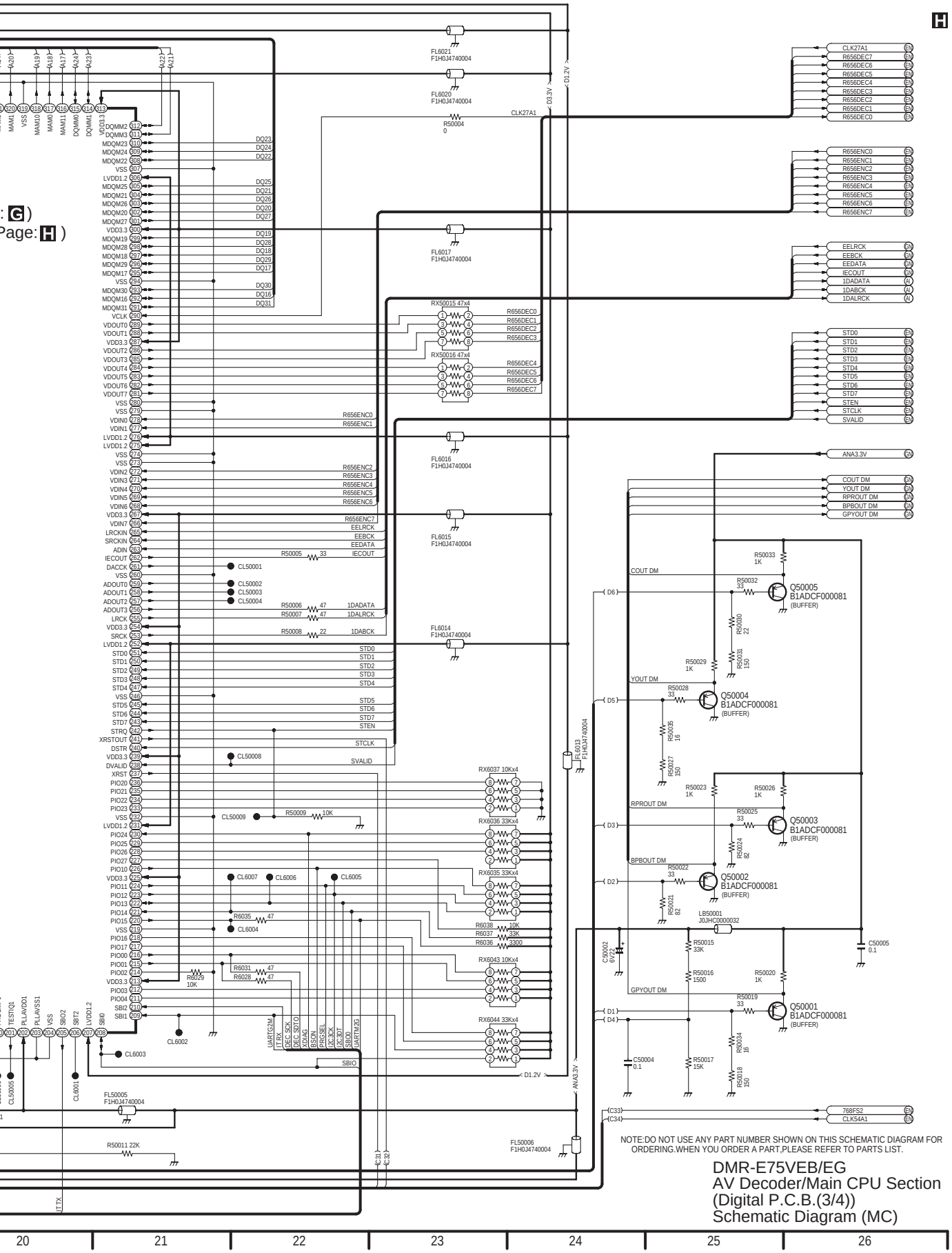


GN:Glue Net Section(Page: F)
EN:AV Encoder/RTSC Section(Page: G)
MC:AV Decoder/Main CPU Section(Page: H)
AI:Audio I/O Section(Page: I)

IC6001
MN2DS0010-H
(AVDEC/MAIN CPU)



DMR-E75VEB/EG AV Decoder/Main CPU Section (Digital P.C.B.(3/4)) Schematic Diagram (MC)

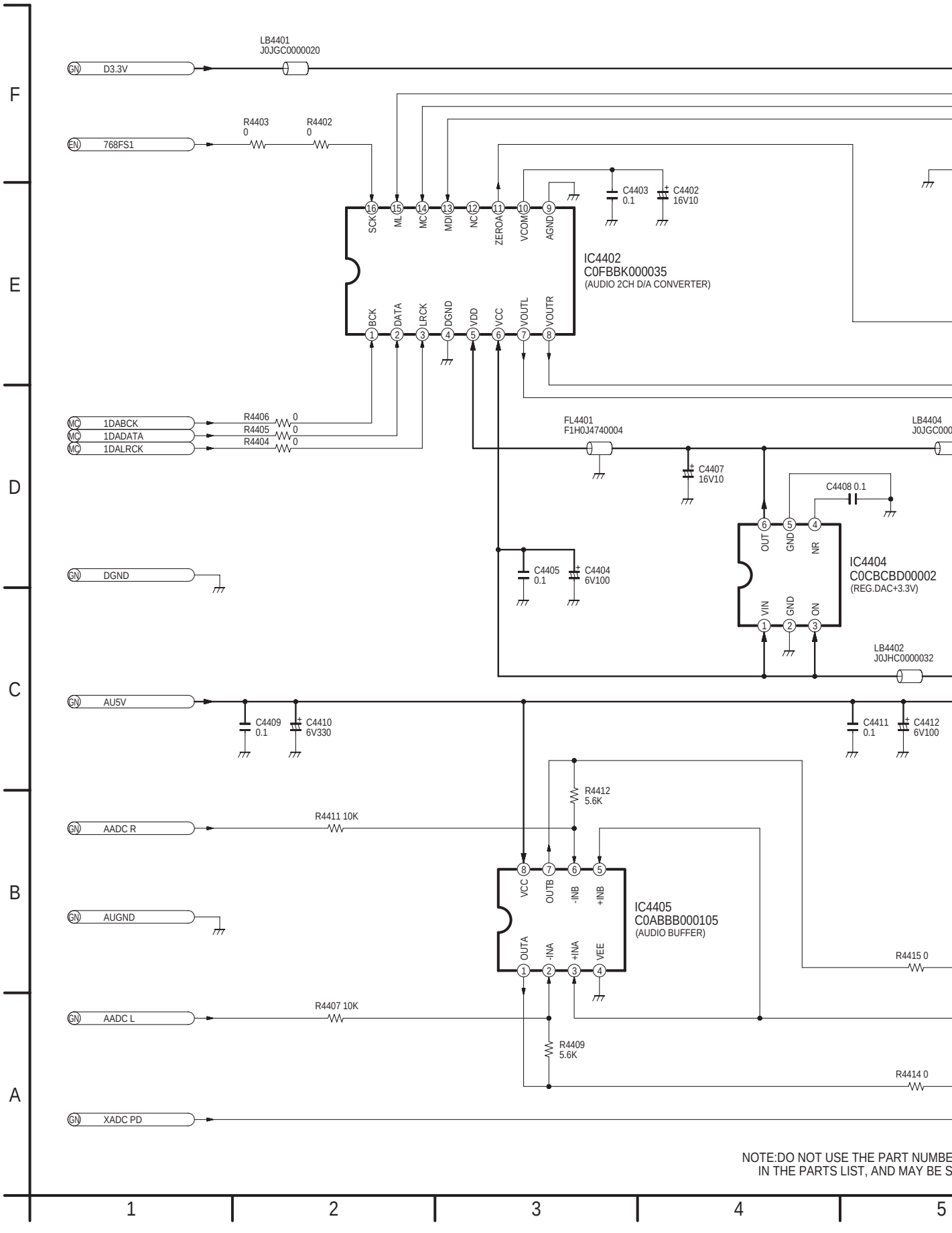


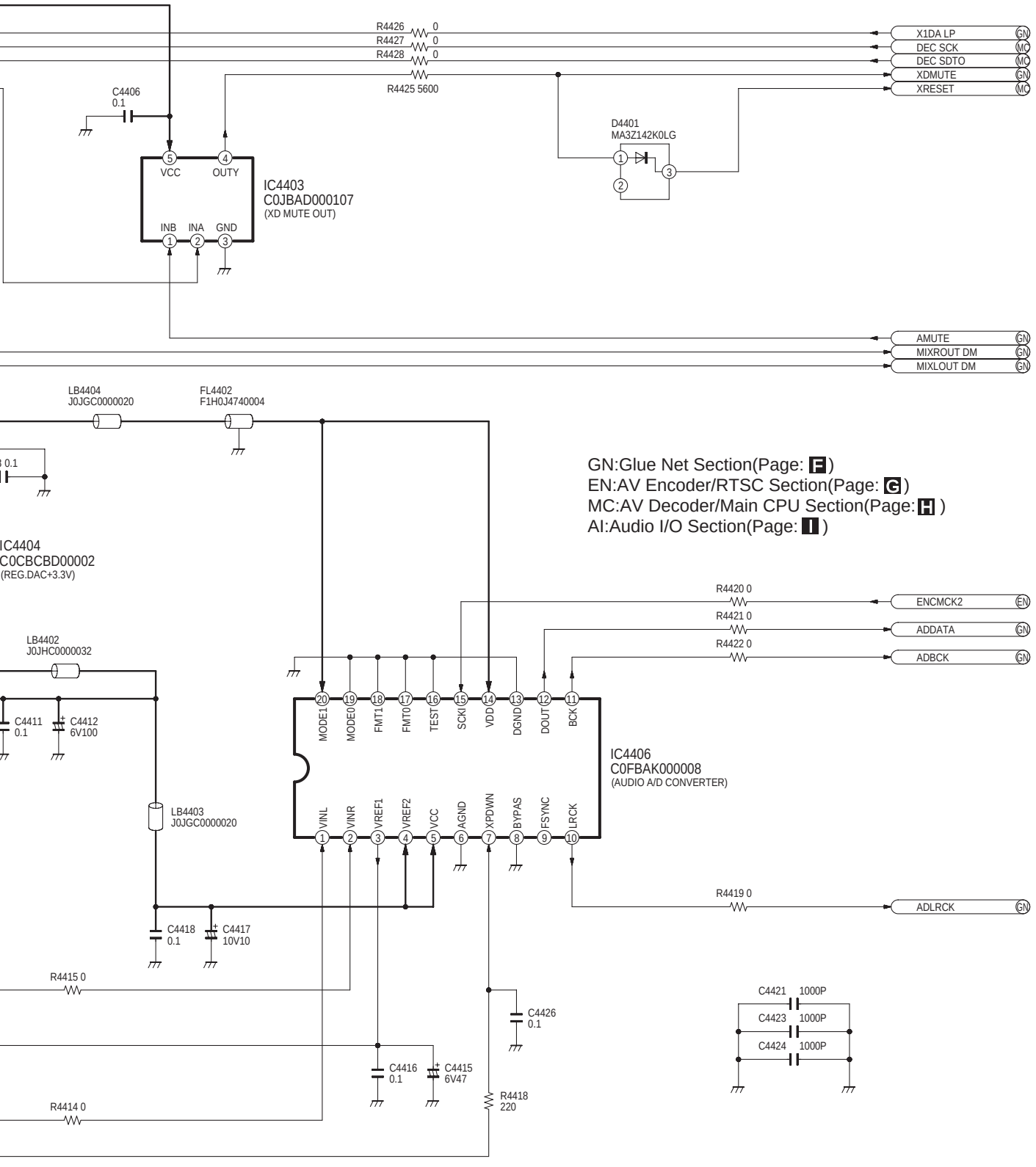
NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

DMR-E75VEB/EG
AV Decoder/Main CPU Section
(Digital P.C.B.(3/4))
Schematic Diagram (MC)

20 21 22 23 24 25 26

21.10. Audio I/O Section (Digital P.C.B.(4/4)) Schematic Diagram (AI)



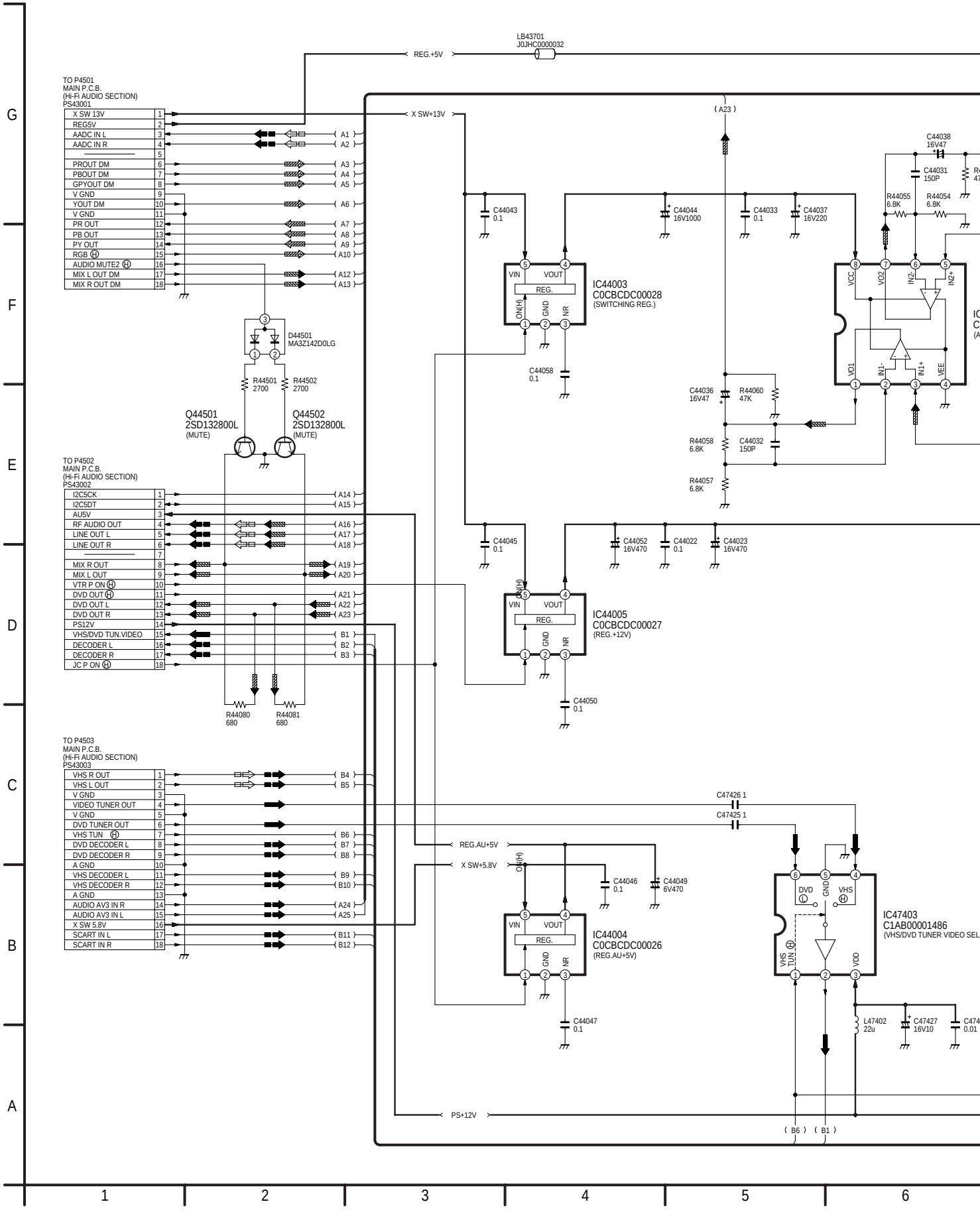


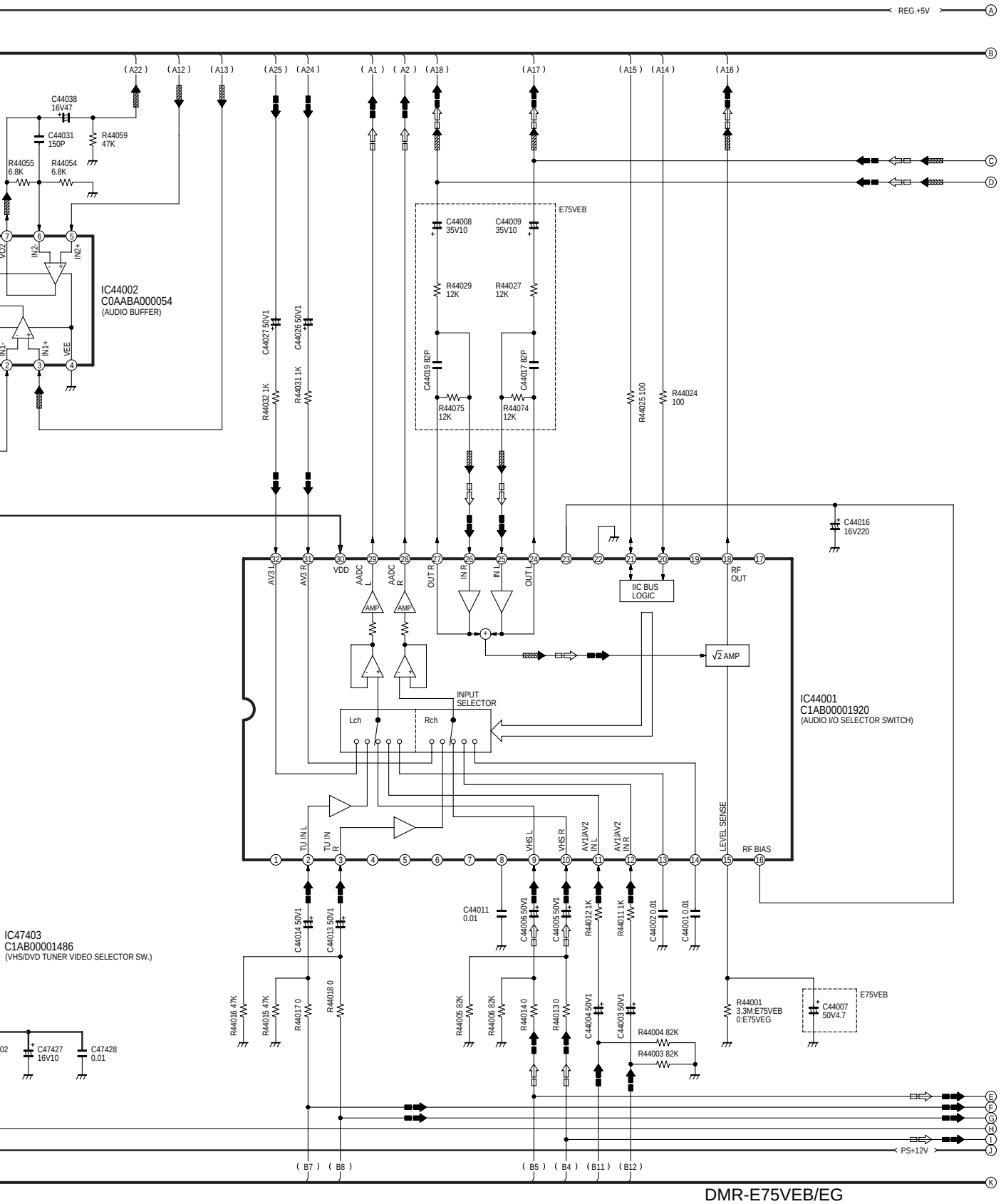
THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN
ST, AND MAY BE SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

DMR-E75VEB/EG
Audio I/O Section (Digital P.C.B.(4/4))
Schematic Diagram (AI)

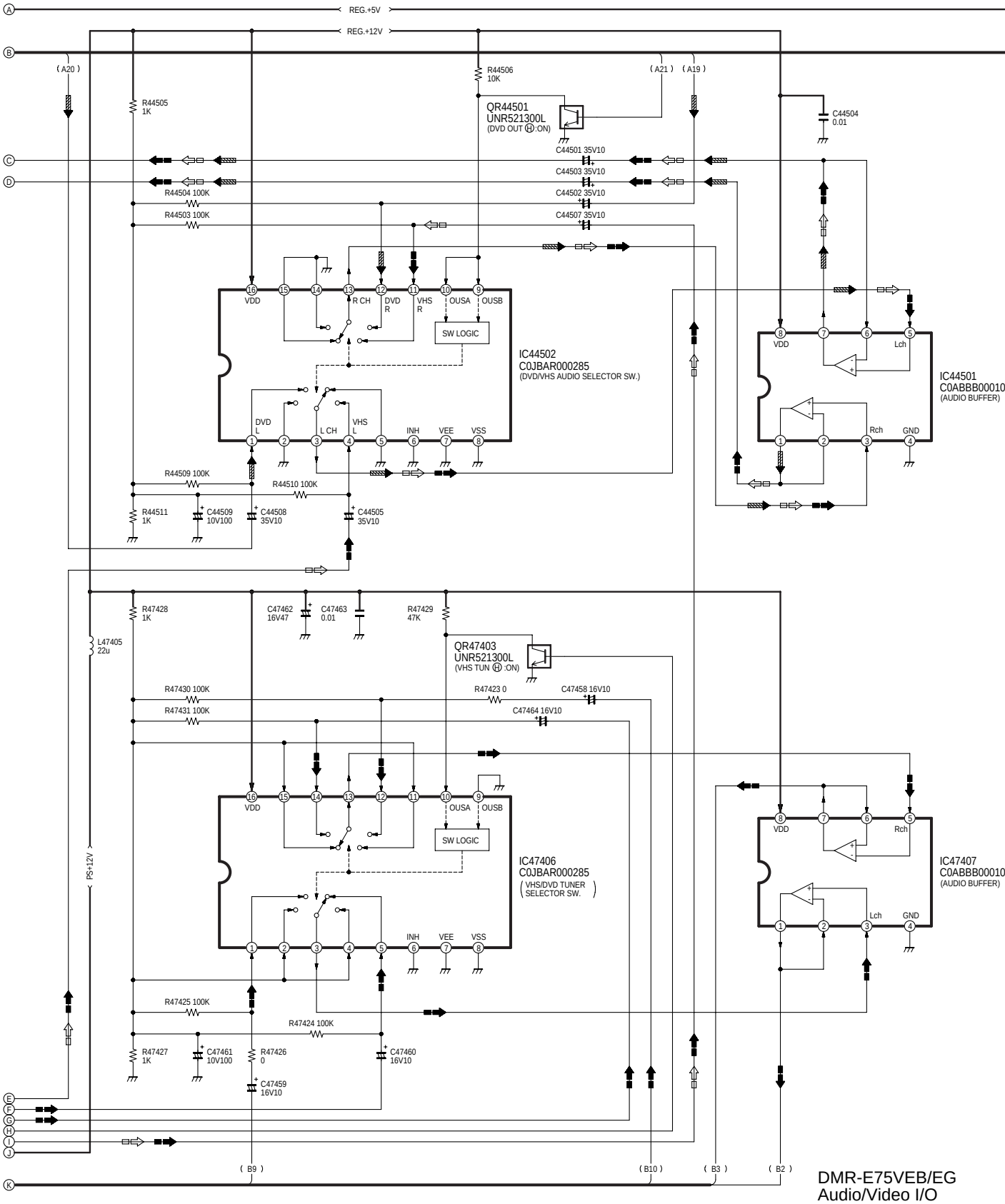
5 | 6 | 7 | 8 | 9

21.11. A/V I/O Schematic Diagram



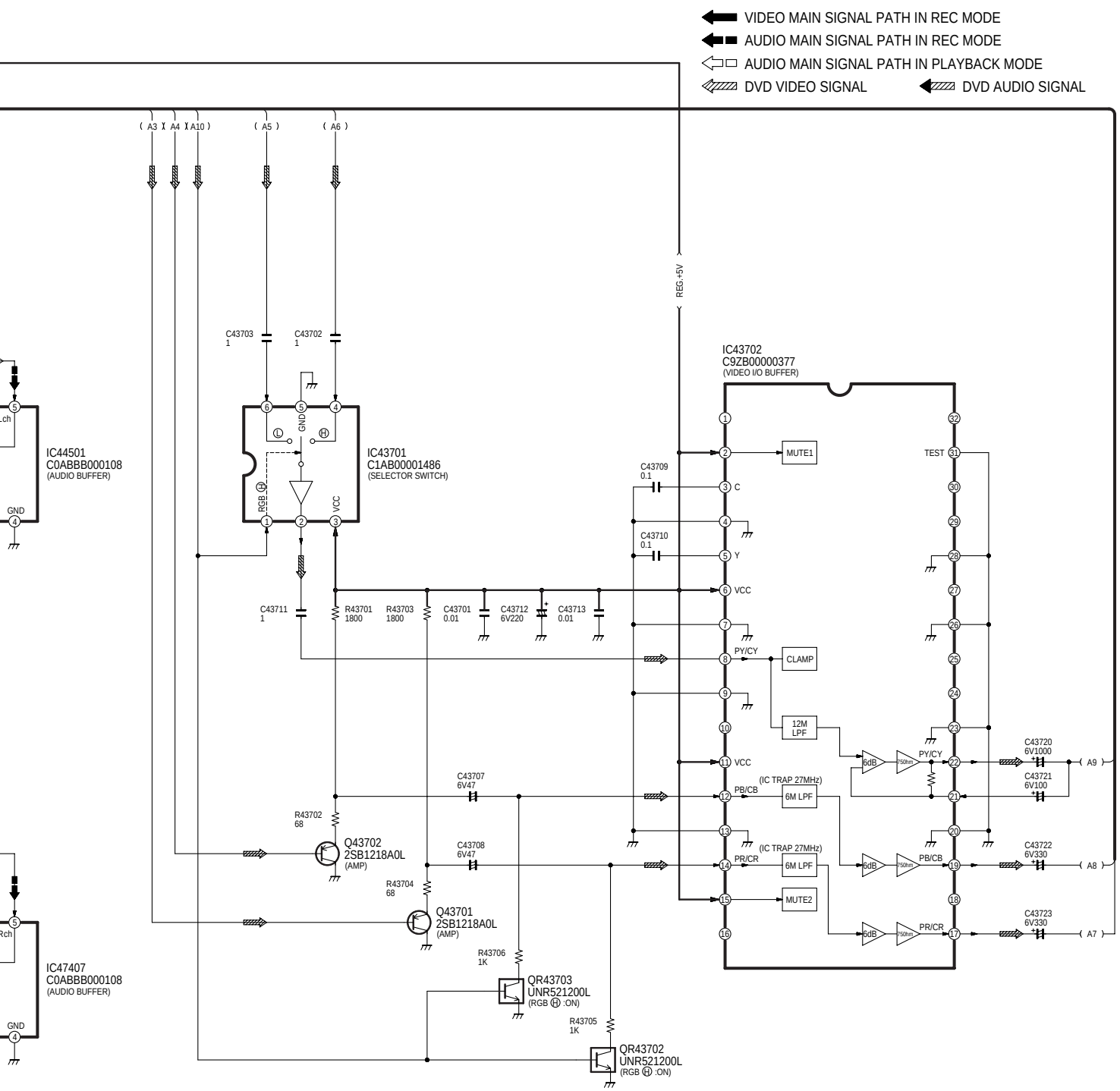


DMR-E75VEB/EG
Audio/Video I/O Schematic Diagram



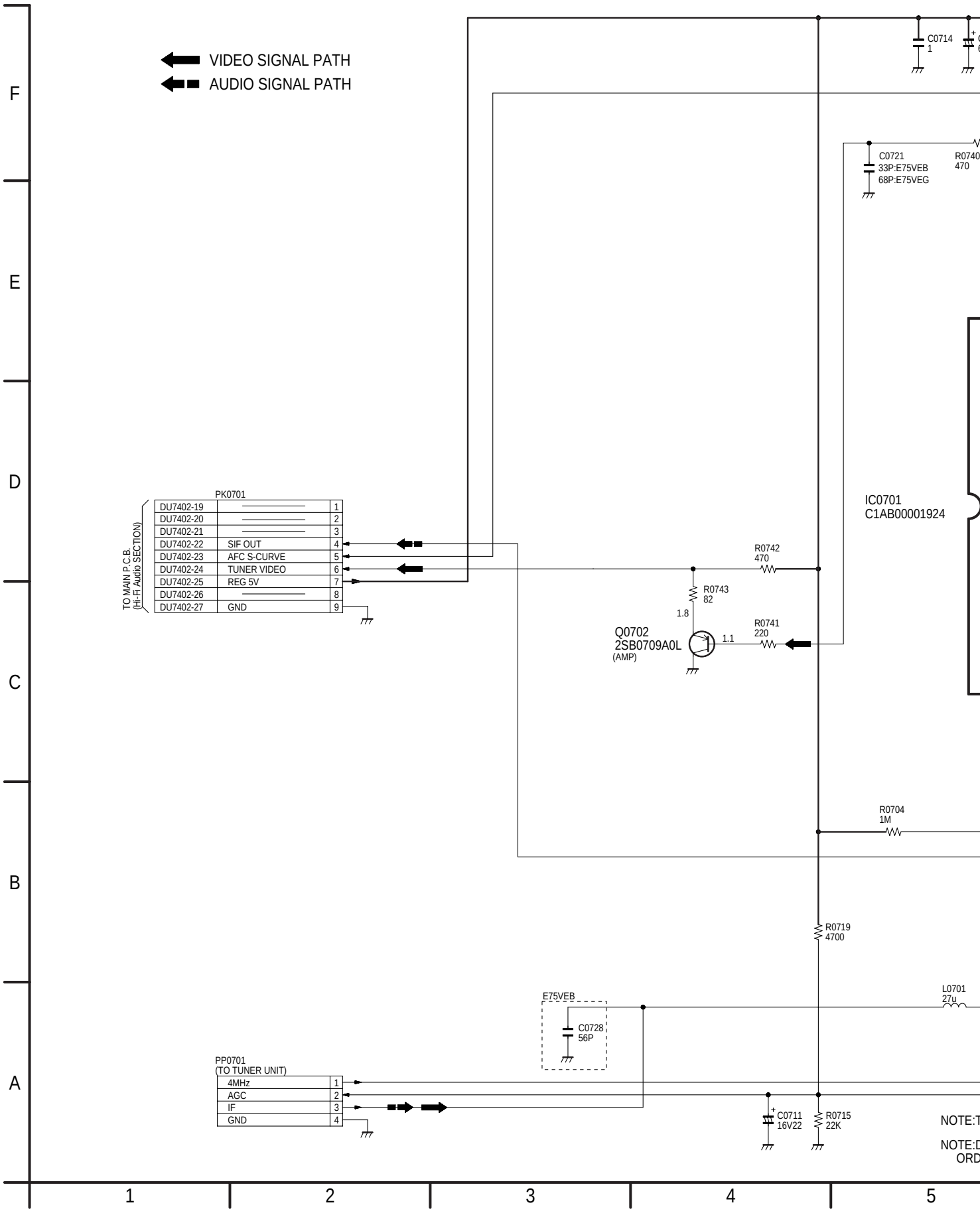
DMR-E75VEB/EG
Audio/Video I/O
Schematic Diagram

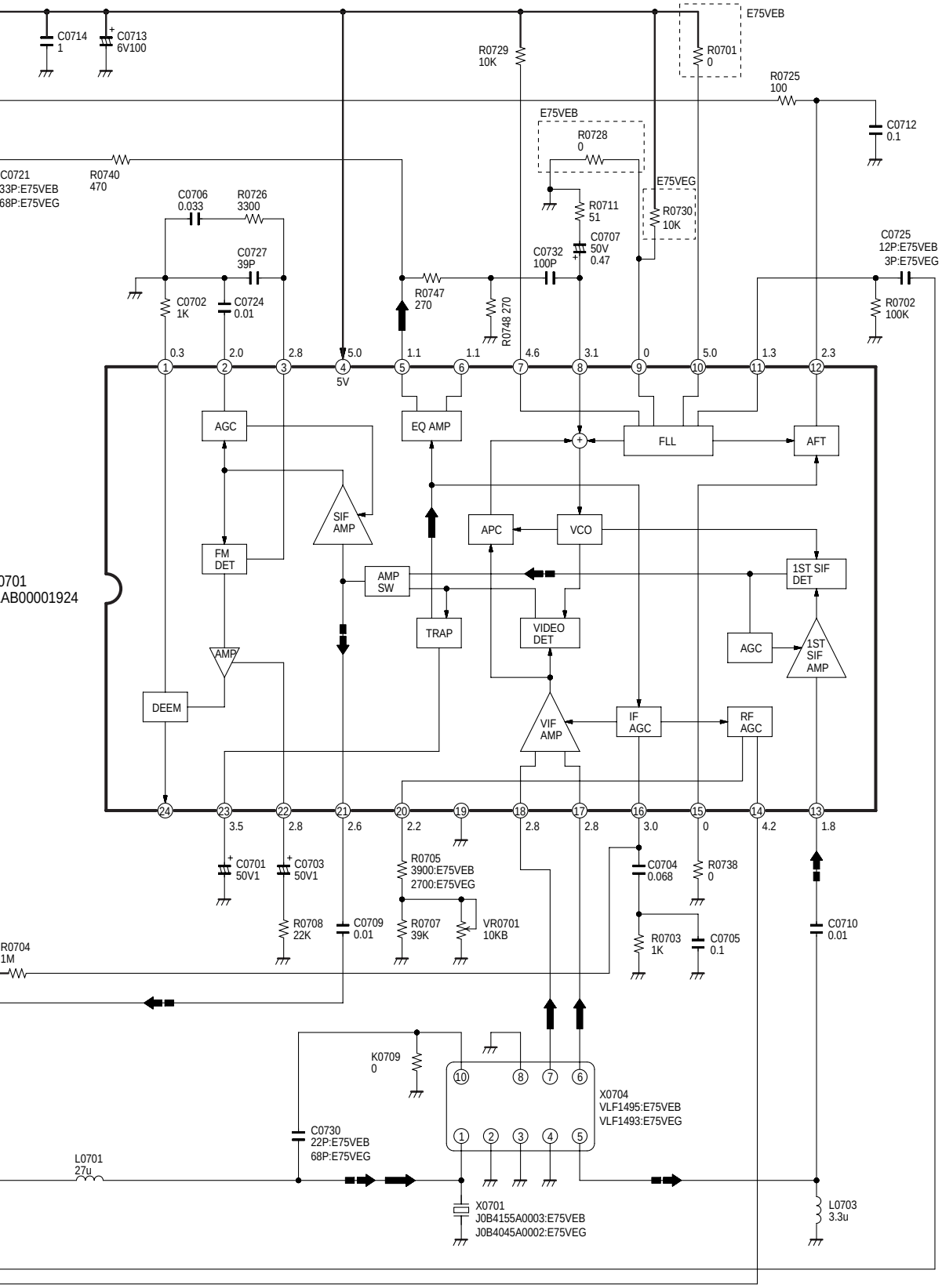
12 13 14 15 16 17



NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERRING.THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST,AND MAY BE SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

21.12. VIF Decoder (A) Schematic Diagram (For DVD)





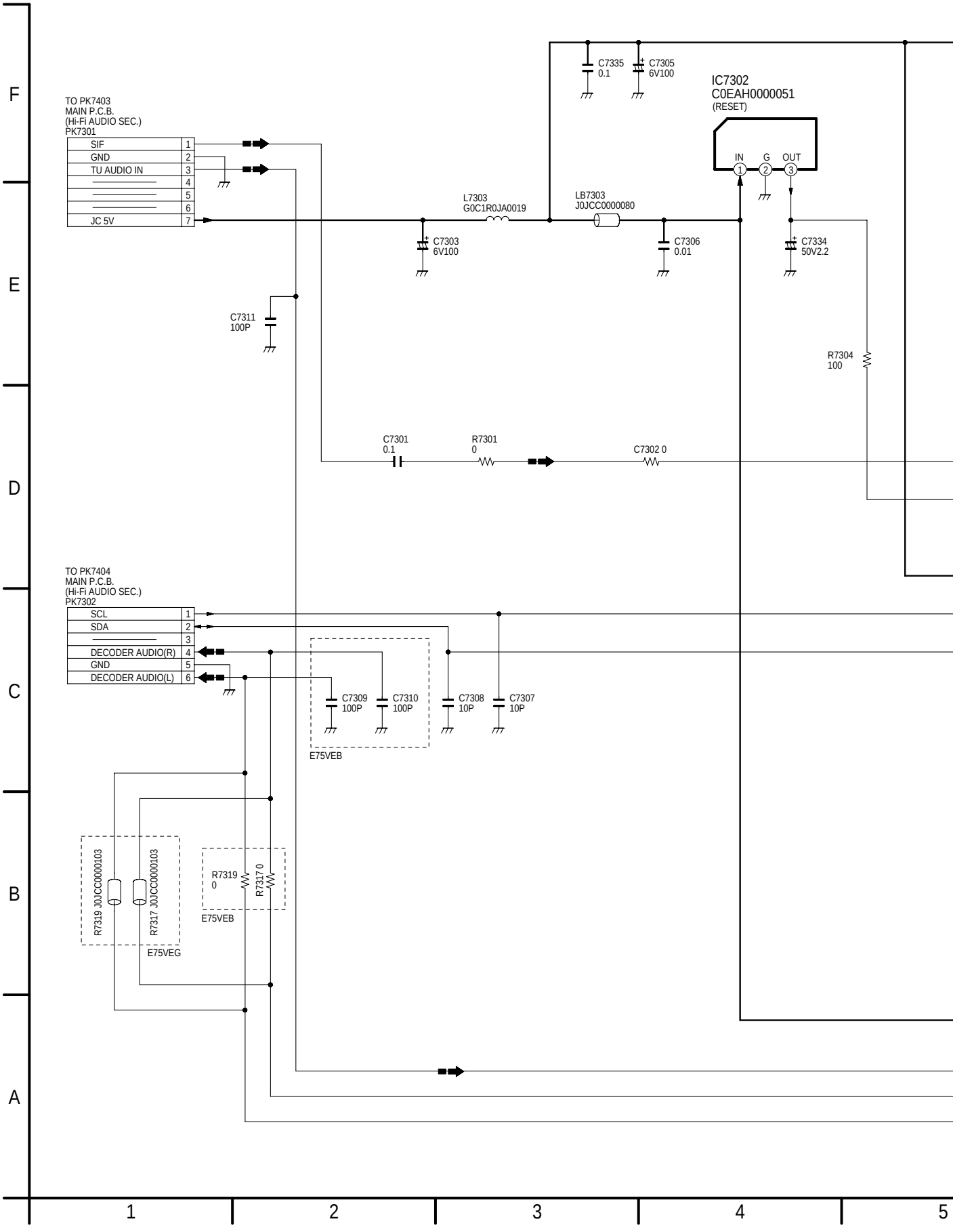
NOTE:THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

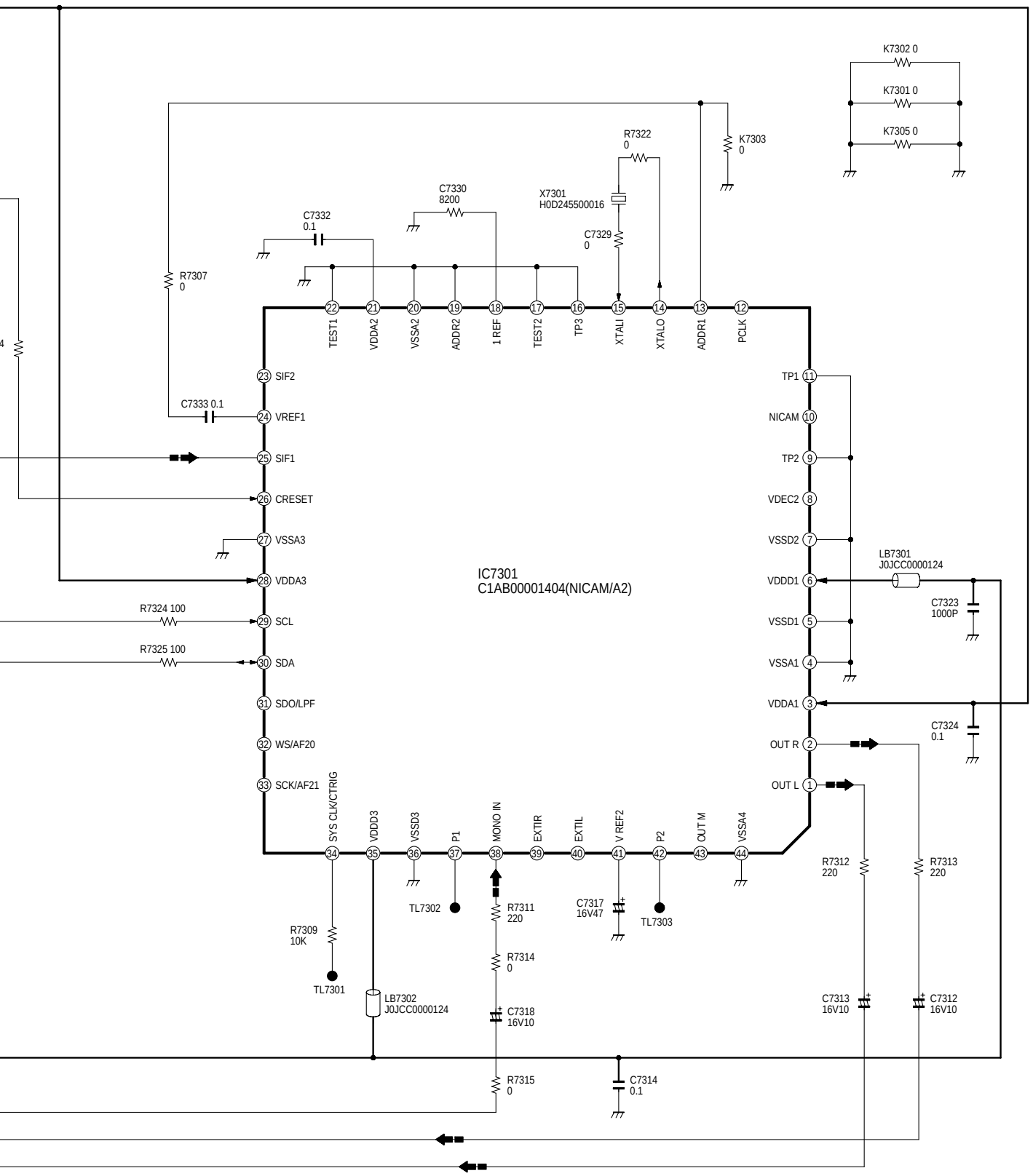
DMR-E75VEB/EG
VIF Decoder(A)
Schematic Diagram (For DVD)

5 | 6 | 7 | 8 | 9

21.13. Nicam Decoder (A) Schematic Diagram (For DVD)



AUDIO MAIN SIGNAL PATH IN REC MODE

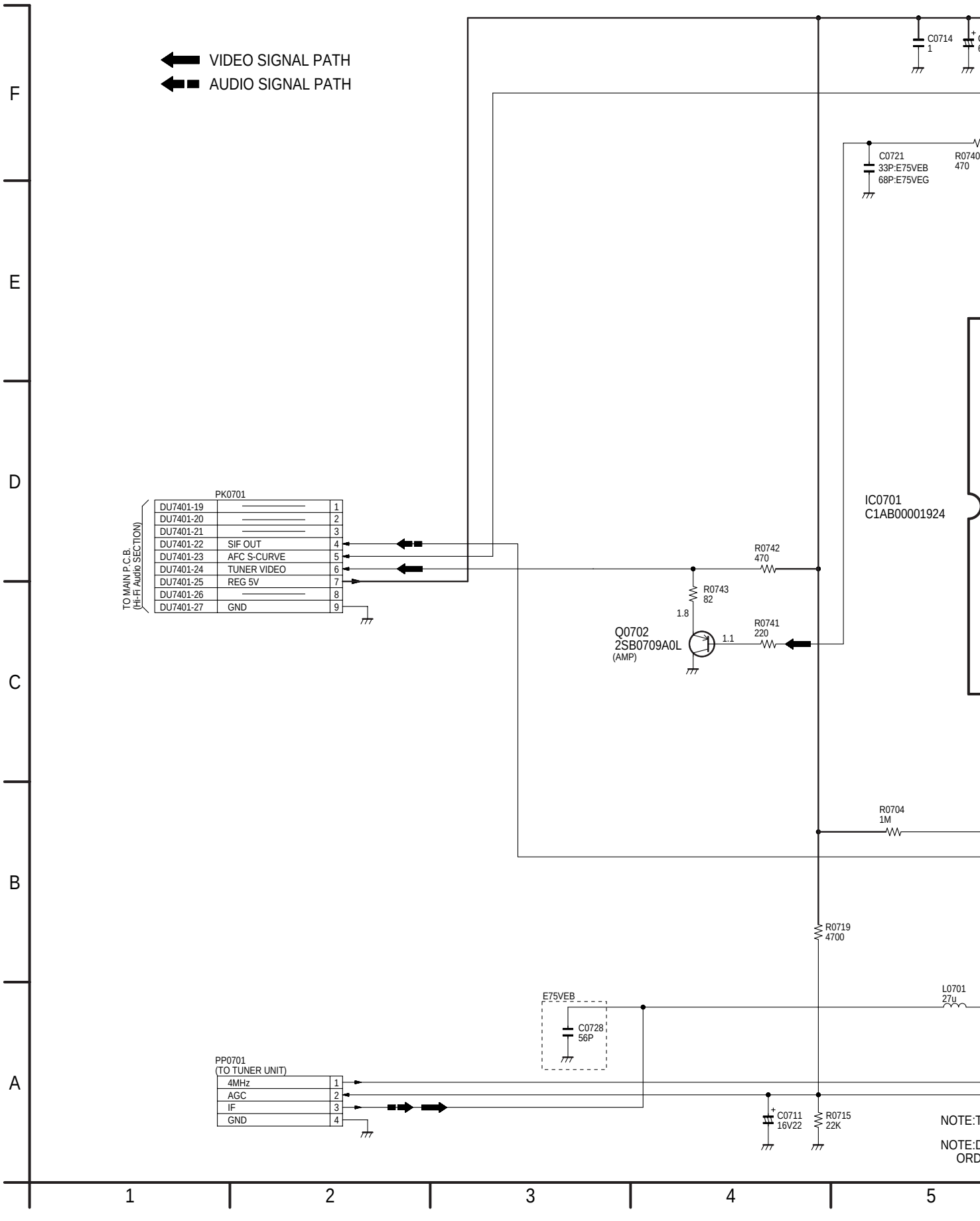


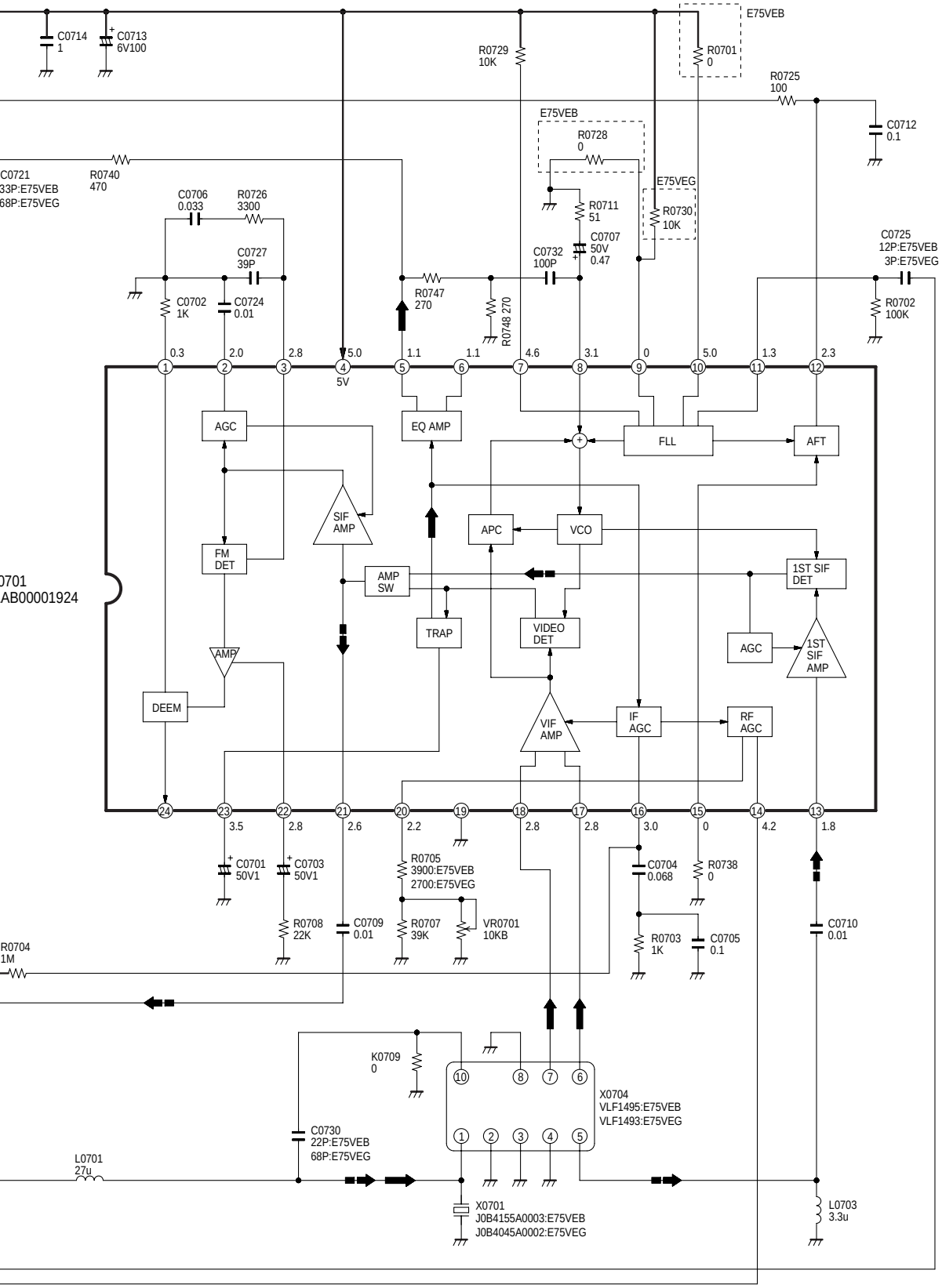
NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM
FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

DMR-E75VEB/EG
Nicam Decoder(A)
Schematic Diagram (For DVD)

5 | 6 | 7 | 8

21.14. VIF Decoder (B) Schematic Diagram (For VHS)





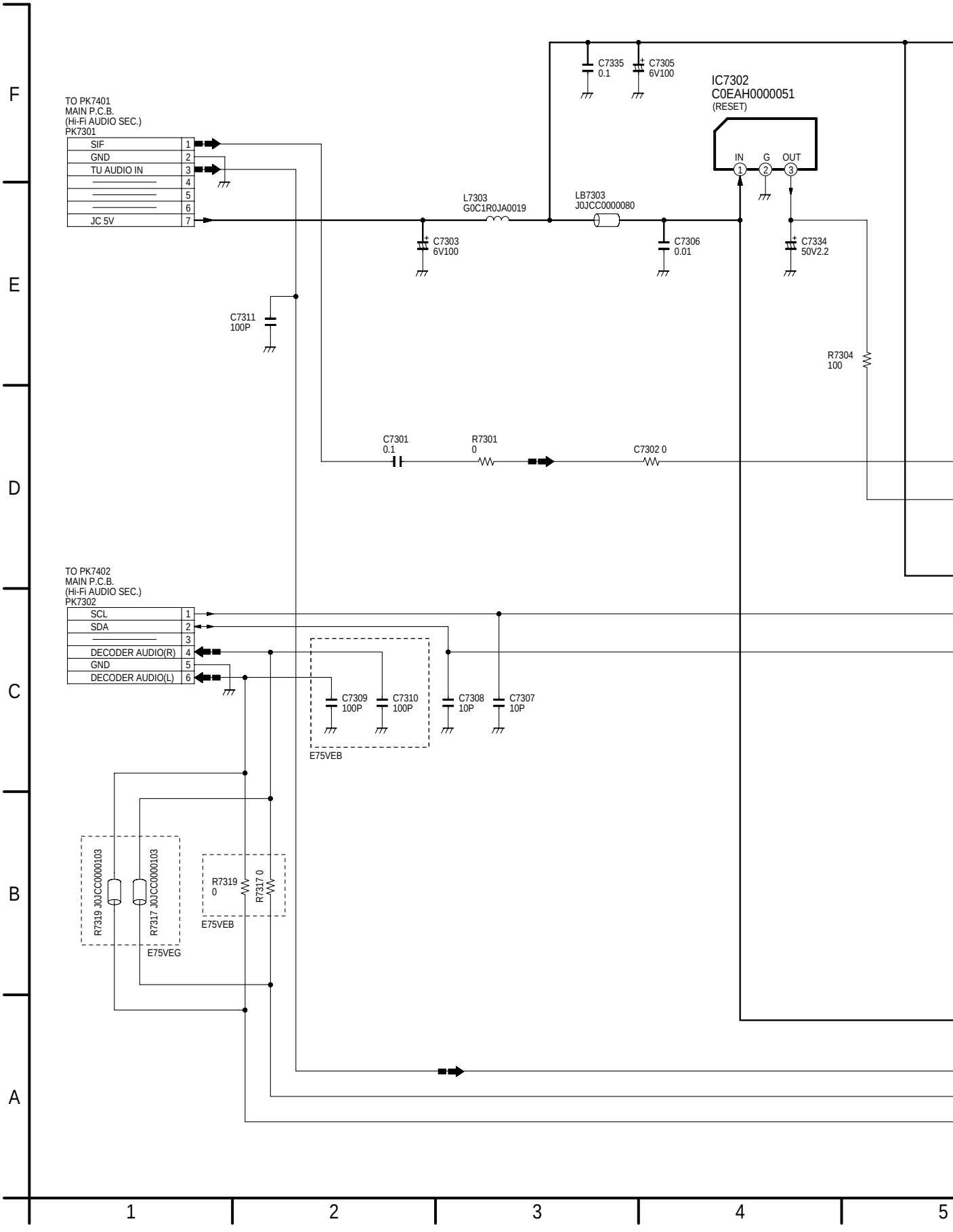
NOTE:THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

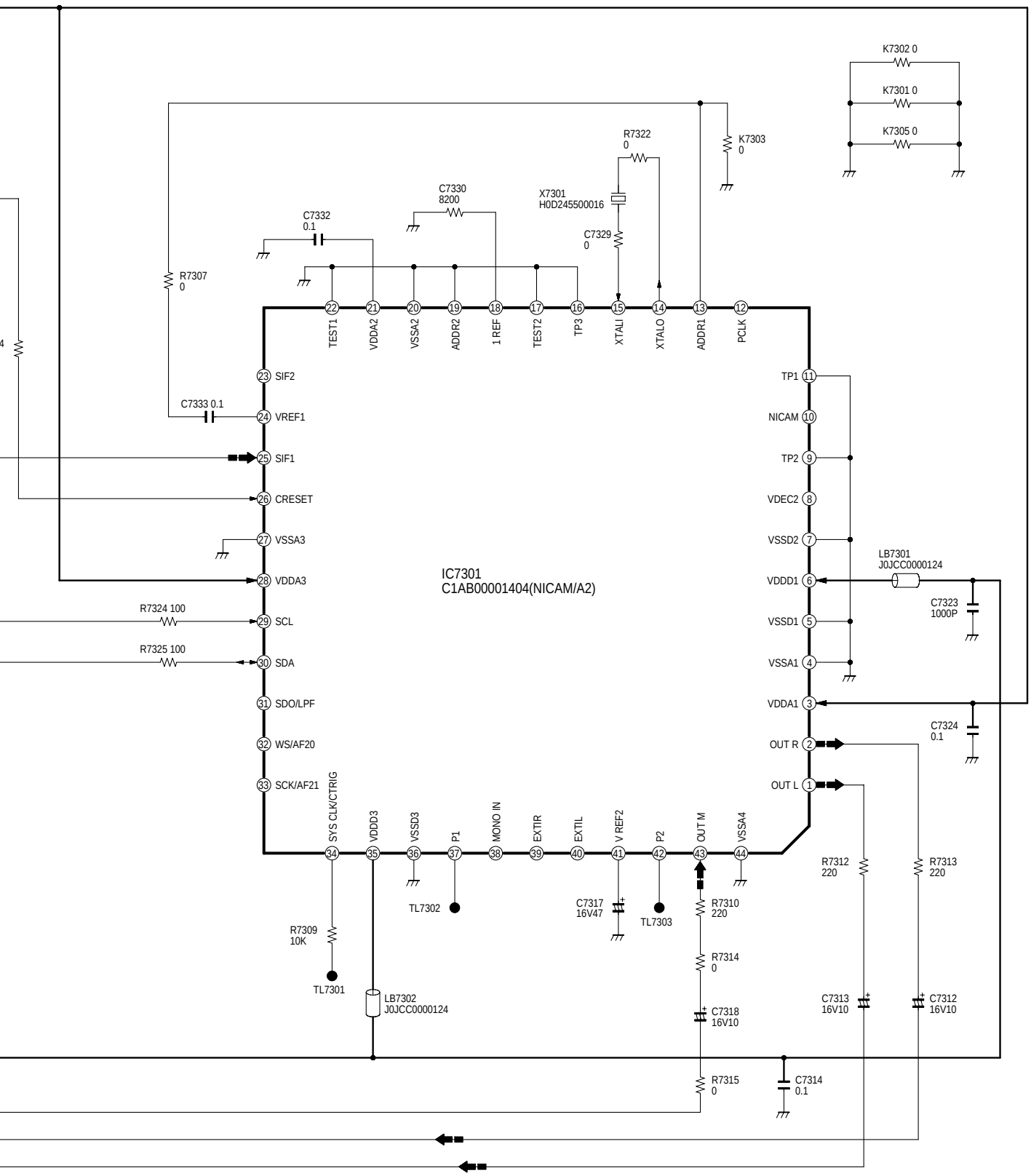
DMR-E75VEB/EG
VIF Decoder(B)
Schematic Diagram (For VHS)

5 | 6 | 7 | 8 | 9

21.15. Nicam Decoder (B) Schematic Diagram (For VHS)



AUDIO MAIN SIGNAL PATH IN REC MODE

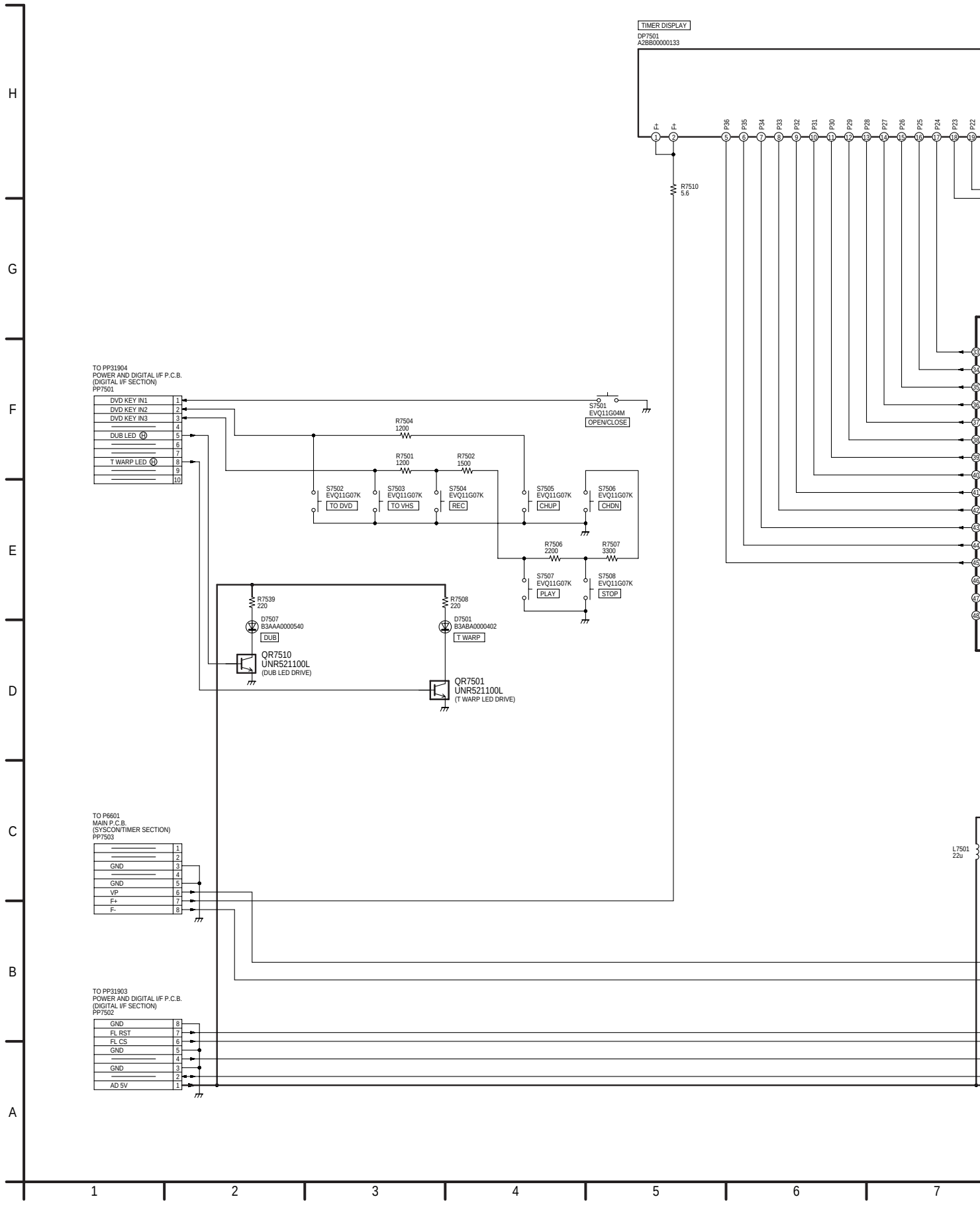


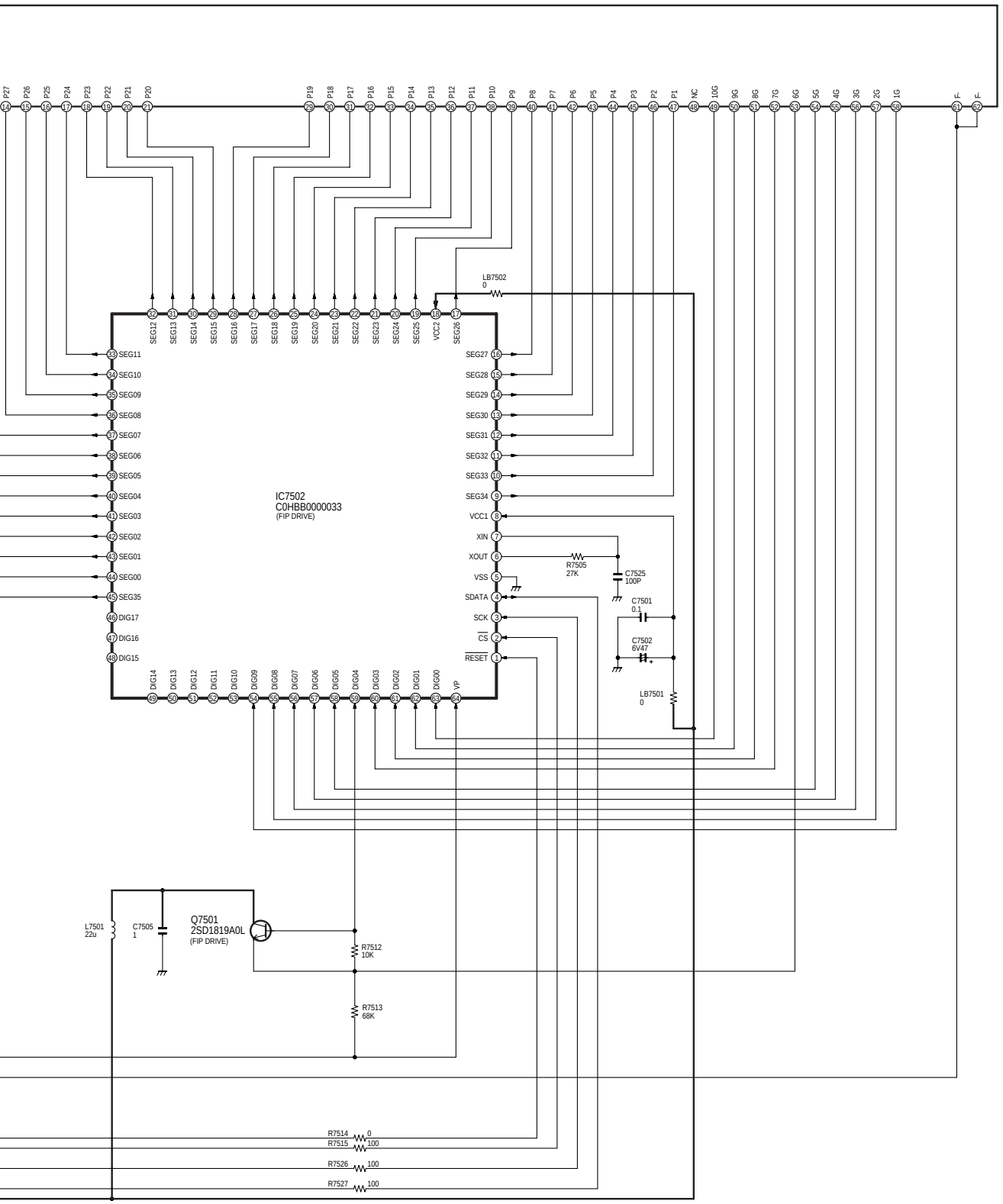
NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM
FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

DMR-E75VEB/EG
Nicam Decoder(B)
Schematic Diagram (For VHS)

5 | 6 | 7 | 8

21.16. FL Drive Schematic Diagram



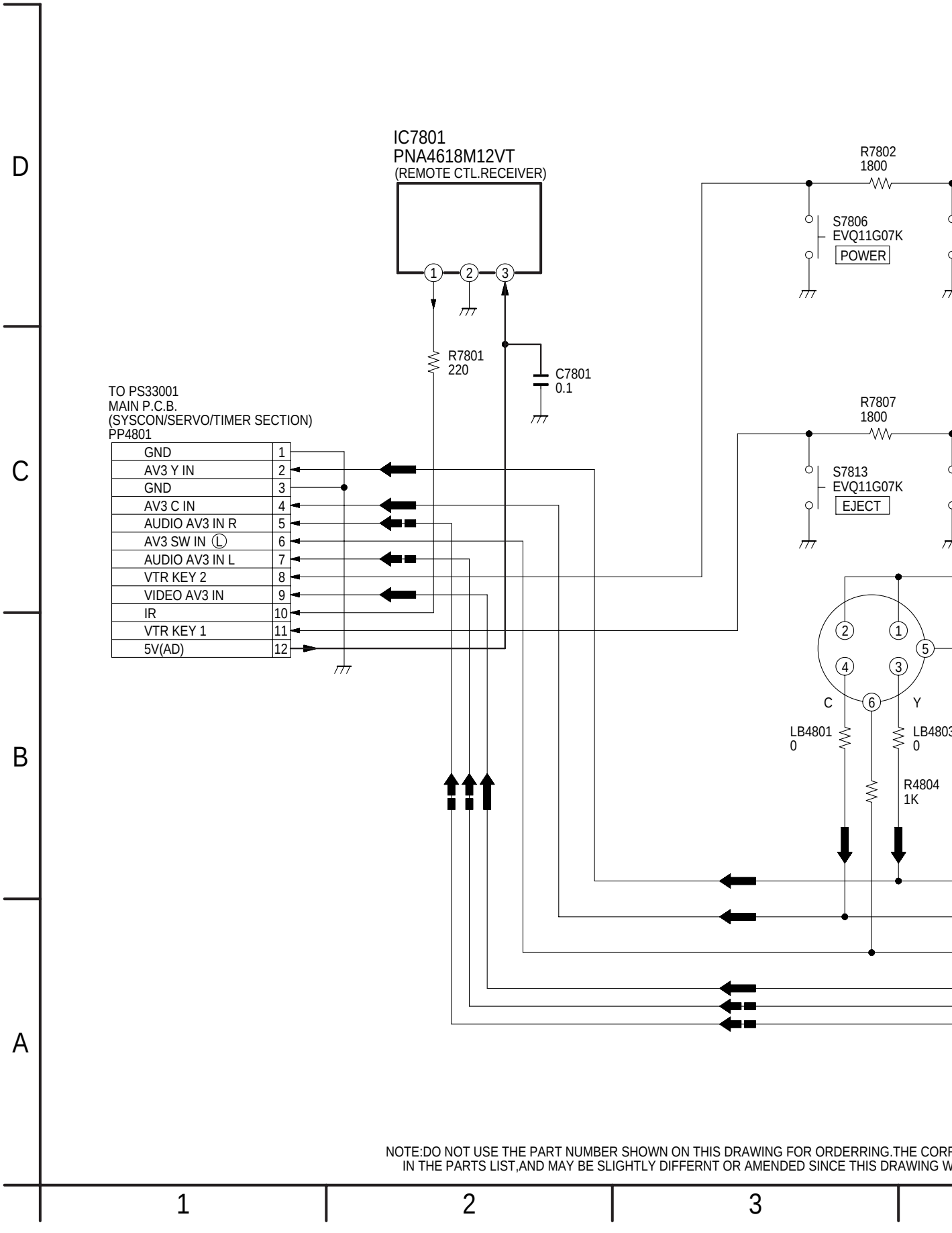


DMR-E75VEB/EG
FL Drive
Schematic Diagram

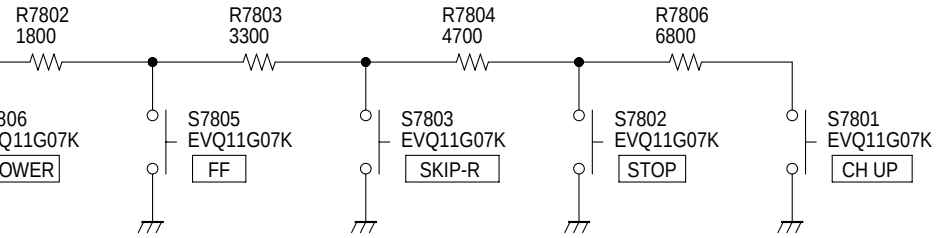
NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

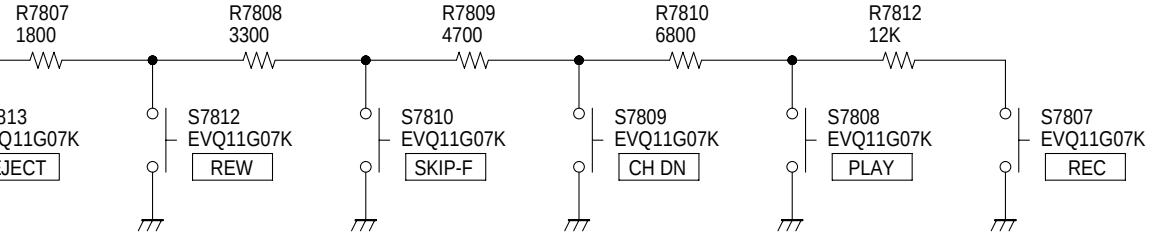
7 | 8 | 9 | 10 | 11 | 12

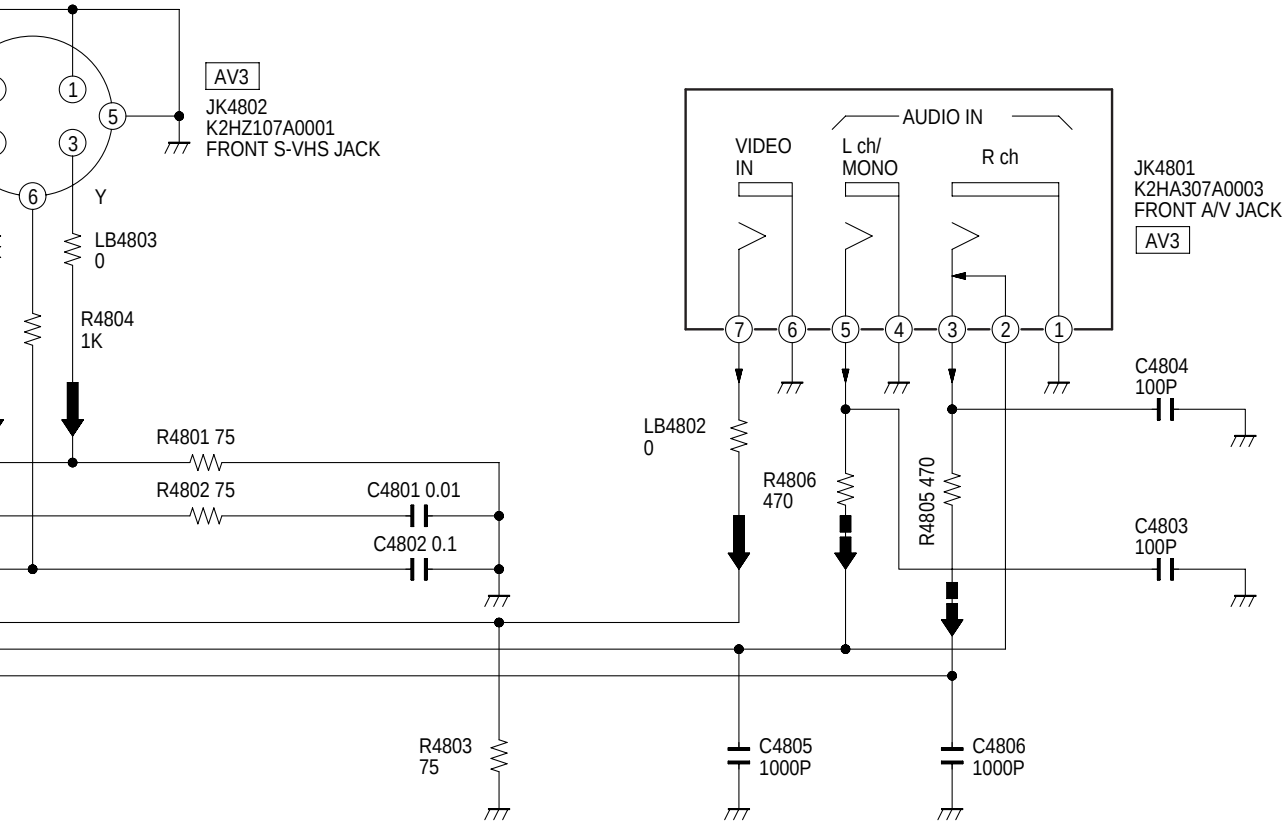
21.17. Front Jack Schematic Diagram



VIDEO MAIN SIGNAL PATH IN REC MODE
AUDIO MAIN SIGNAL PATH IN REC MODE







ERRING.THE CORRECT PART NUMBER IS SHOWN
THIS DRAWING WAS PREPARED.

DMR-E75VEB/EG
Front Jack
Schematic Diagram

4 5 6